

THE ARCHITECT & BUILDING NEWS

IN THIS ISSUE

- JOSEPH TRITTON SCHOOL, BATTERSEA
- ALTERATIONS TO GOLF CLUBHOUSE
- NEW LABORATORY FOR I.C.I.

7 JANUARY 1954

VOL. 205

No. 1

ONE SHILLING WEEKLY

The *Britannic* Floor Spring



No 444

*Makers of Floor
Springs in 10 Reigns*



WILLIAM NEWMAN & SONS Ltd.

HOSPITAL STREET, BIRMINGHAM 19. *Established over 200 years*

Stonework executed in **Empire Stone**



Shops and Flats, COWLEY PEACHEY for Uxbridge U.D.C.

Architect : Harold E. G. Stripp, A.M.I.C.E., F.R.I.C.S., M. Inst. R.A.

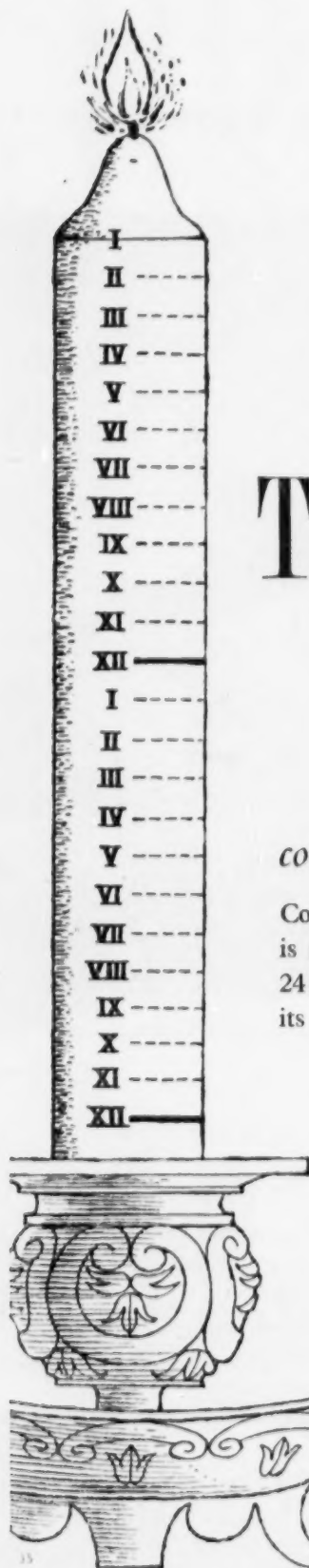
Empire Stone Company Limited

THANET HOUSE, 231 STRAND, LONDON, W.C.2

BERKELEY HOUSE, BIRMINGHAM, 16

NARBOROUGH, Nr. LEICESTER

324 DEANSGATE, MANCHESTER, 3



This time tomorrow

concrete sufficiently hard for almost any purpose

Concrete made with '417 Cement' is ready—for almost any duty—24 hours later. The time saved by its use means important savings in cost and greater productivity of plant, shuttering, etc. Please write for full particulars of '417 Cement.'



'417' cement

QUICK SETTING—EXTRA RAPID HARDENING

THE CEMENT MARKETING COMPANY LTD.

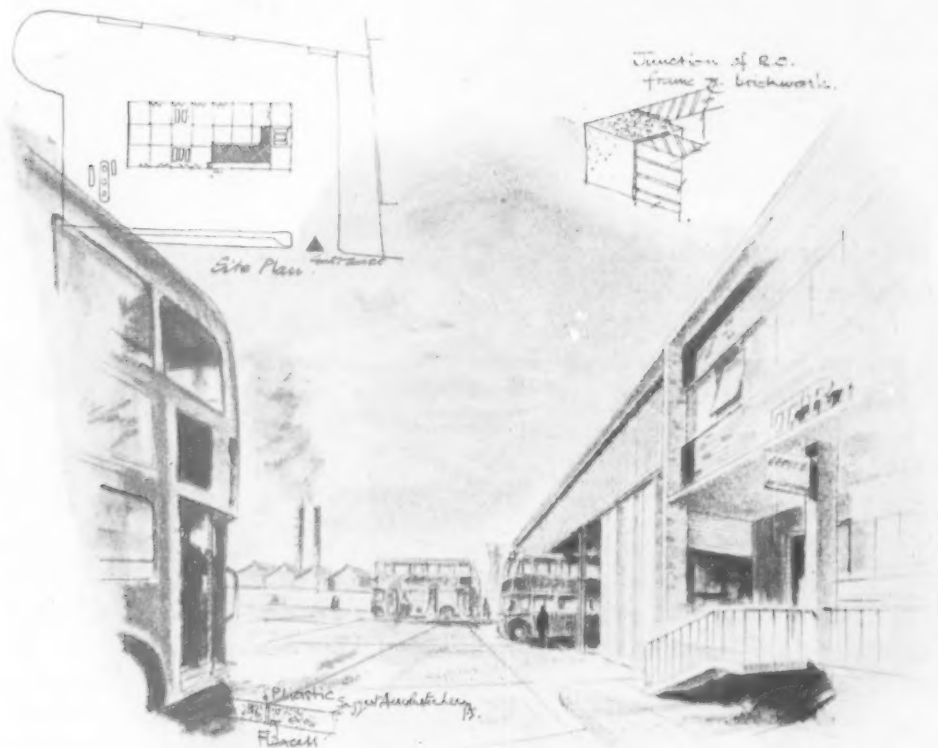
PORTLAND HOUSE, TOTHILL STREET, LONDON, SW1

G. & T. EARLE LTD., CEMENT MANUFACTURERS, HULL

THE SOUTH WALES PORTLAND CEMENT & LIME CO., LTD., PENARTH, GLAM.

BRITISH CEMENT IS THE CHEAPEST IN THE WORLD

In structures like this...



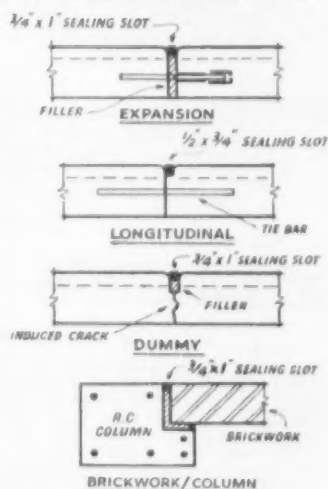
...joints like these...

SURFACE SEALS. In sealing joints which must keep out grit, etc. carried on the wheels of heavy vehicles, Pli-astic 77 rubber/bitumen compound is recommended because of its extreme toughness and good adhesion to concrete, combined with resistance to summer sun and winter frost without loss of resilience. At bus stops and where vehicles are serviced 'Aerolastic' is preferred, because of its resistance to grease and oil. Other Expandite products, 'Seelastik', 'Asbestumen', R.B.200 and Expandite Verticle Sealer have their specialised functions in the joints of structures which must accommodate not only normal movement but heavy traffic vibration as well.

JOINT FILLER. The effective of any surface sealing compound is directly related to the filler which supports it. Flexcell bitumen-impregnated, cane-fibre filler is insisted upon by many Civil Engineers and architects because it compresses without extruding and recovers well, continuing to do so throughout a long effective life.

LOAD TRANSFER. Wherever heavy vehicles operate the life of the carriageway depends on efficient load transfer from slab to slab. Expandite Load Transfer Units are effective and easy to apply in conjunction with *Flexcell filler and Expandite surface seals.

*Specially manufactured by Celotex Limited.



call for EXPANDITE products

EXPANDITE LIMITED • CHASE ROAD • LONDON, N.W.10 • Tel: ELGar 4321



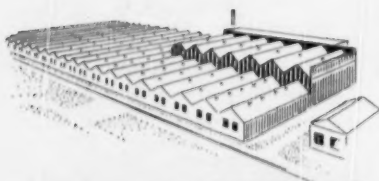
Steel to Steel = Structural Sense
Steel + Steel = Structural Stability

RUBEROID STEEL ROOF DECK

The Ruberoid Company Ltd. realised the possibilities of light-weight steel roofing units 25 years ago and the modern Ruberoid Steel Roof Deck represents a tremendous investment of long-term research and development. Ruberoid Steel Deck has been used

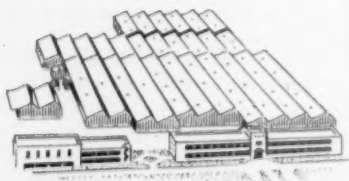
for some of the most outstanding roofing contracts in the world, including India, Singapore, Iraq, Java, South Africa, France, Belgium, and the Argentine. There is not a town or city in the British Isles which does not contain buildings roofed with Ruberoid Steel Deck.

THE ROOF WITH RECORD PERFORMANCE



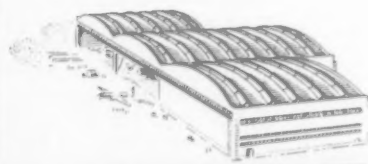
FOR SIZE...

Many of the largest roofs in the world are of Ruberoid Steel Deck as, for instance, the 50-acre roof of a building for the Ministry of Aircraft Production Factories.



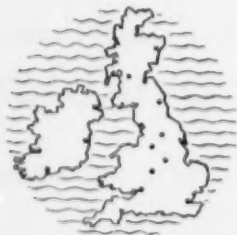
FOR SPEED

Because of its simple construction and the lightness of the individual units, Ruberoid Steel Deck can be erected in record time. A 34,000-sq.-yd. factory roof was completed in 27 working days.



FOR ADAPTABILITY

Ruberoid Steel Deck lends itself to every type of roof surface, curved, flat or pitched. On the Bristol Brabazon hangar, for instance, it was employed on all the sloping, flat and vertical areas.



The Ruberoid Contract Department places its wide and long experience with all types of roofing problems freely at the disposal of architects: consultations at the design stage can, and often do, result in structural economy. The Department undertakes the supply and fixing of Ruberoid Roofing specifications on any scale from convenient centres throughout the British Isles.

Write for Illustrated Brochure No. 343.

THE RUBEROID CO. LTD., 93 COMMONWEALTH HOUSE, NEW OXFORD ST., LONDON, W.C.1

**Build ...
insulate ...
decorate ...
and save
with
CELOTEX
HIGHLIGHT FINISH**

Celotex is insulation *plus*! The smooth, white HIGHLIGHT Finish, hot-rolled into the surface of Celotex Insulation Boards cuts decorating costs by anything up to 1s. 6d. a square yard—insulation and decoration in one operation! And, when further decoration is required, a single coat of paint or distemper is enough to give complete obliteration. No priming, no undercoating! Only Celotex uses sugar cane fibres to create a building board which combines immense structural strength with unrivalled insulation qualities. Only Celotex has these advantages—use only Celotex!

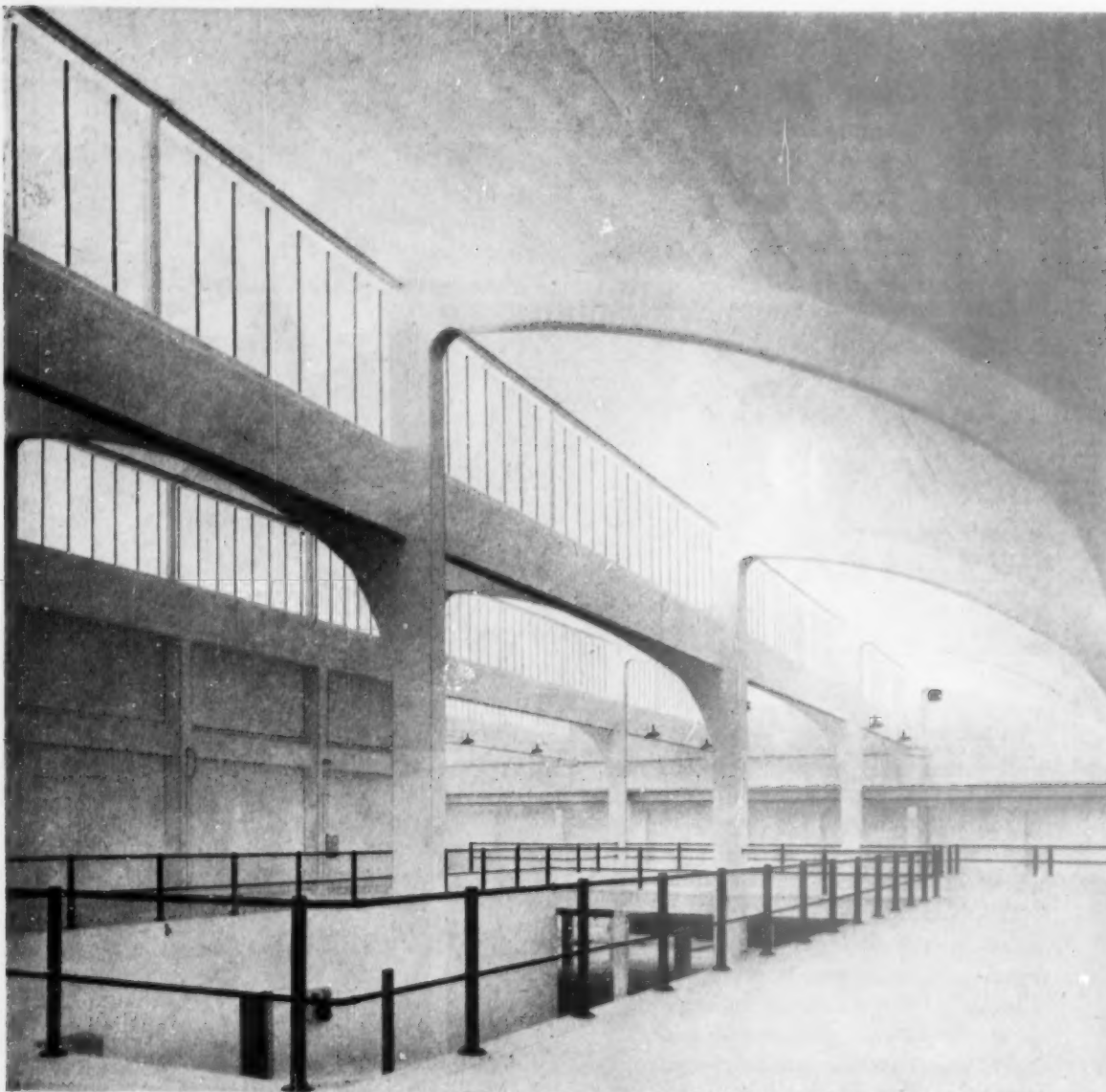


It costs less to have

CELOTEX

Technical advice, sample, prices
and further details are freely available on request.

**than to do
without it**



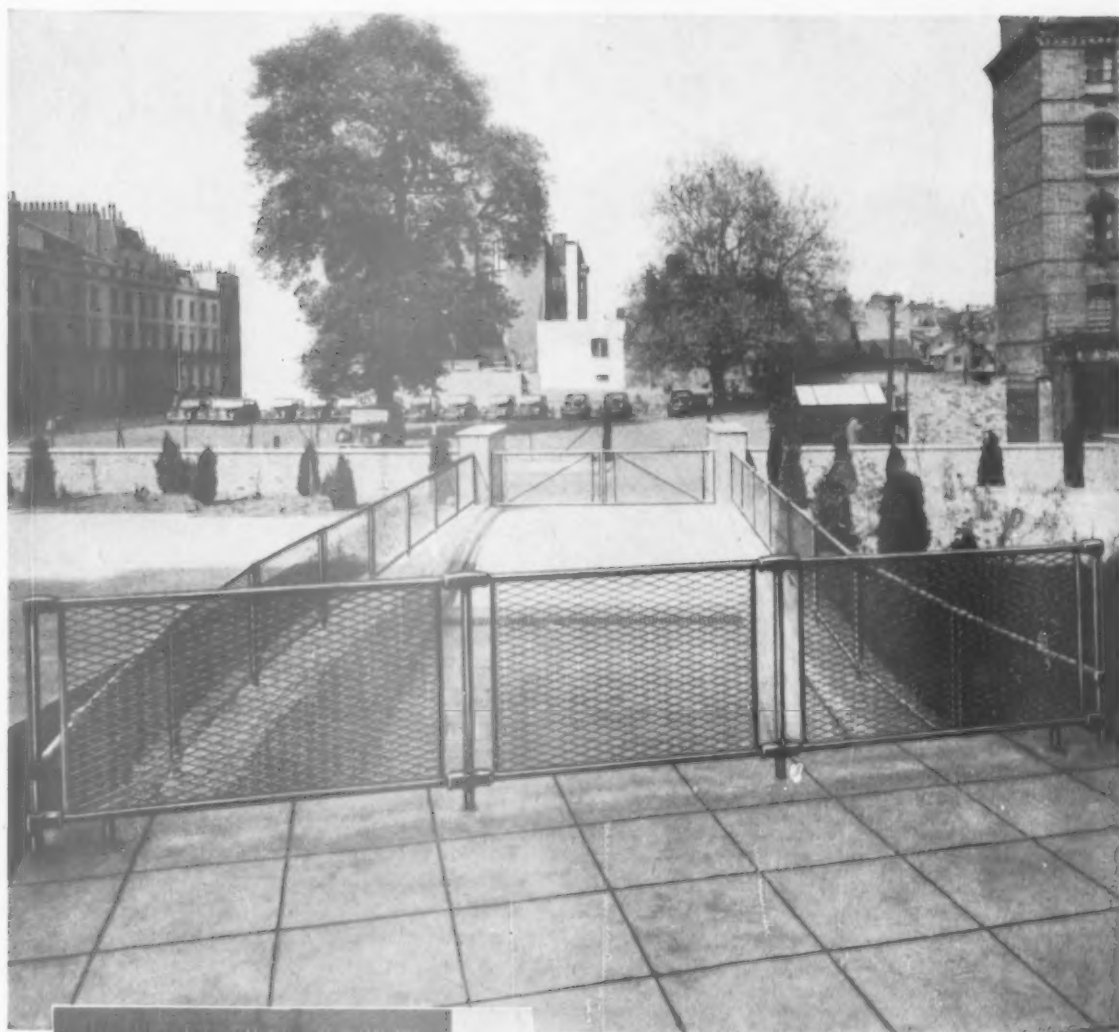
Contractors: Messrs. McCarthy, Cape Town

A REINFORCED concrete structure with Barrel Vault Roof for industrial purposes. This photograph shows the light clean dustproof interior of the nine-barrel south-light building to house the workshops for the Power Station at Zwartkops, South Africa.

**TWISTEEL REINFORCED CONCRETE ENGINEERS
AND SUPPLIERS OF REINFORCING STEELS**



LONDON: 43 UPPER GROSVENOR STREET, W.1. Tel: GROsvenor 8101 & 1216 • BIRMINGHAM: ALMA STREET, SMETHWICK, 40. Tel: SMETHwick 1991
MANCHESTER: 7 OXFORD ROAD, MANCHESTER 1. Tel: ARdwick 1691 • GLASGOW: 19 ST. VINCENT PLACE, GLASGOW, C.1. Tel: CLty 6594
'TWISTEEL' REINFORCEMENT AND DESIGNERS (PTY) LTD., BALDWIN HOUSE, MAIN REEF ROAD, INDUSTRIAL, JOHANNESBURG, SOUTH AFRICA



Much can be done with Expanded Metal. Here, by way of example, are pictures of "Expamet" Pedestrian Barriers, adapted for use as guards for the traffic ramp at the Metropolitan Police Flats, Ebury Street, London.

More than sixty years' experience suggest that Expanded Metal will prove equally satisfactory for work now engaging your attention.

Architect : Chief Architect, Metropolitan
Police, New Scotland Yard.

Expanded Metal

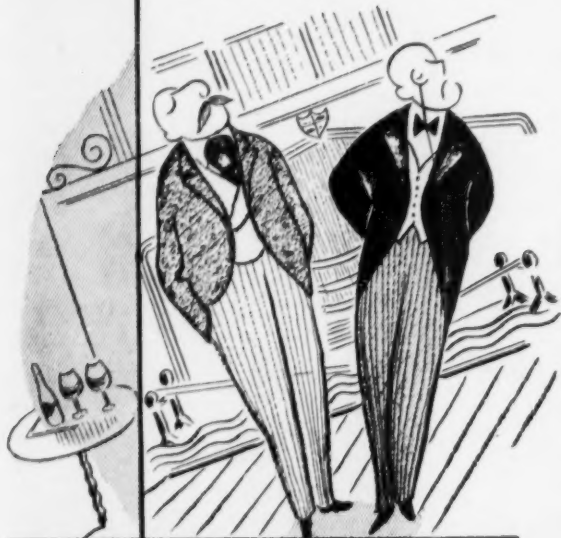
THE EXPANDED METAL COMPANY LIMITED
BURWOOD HOUSE, CAXTON STREET, LONDON, S.W.1. TEL. ABBey 3933
STRANTON WORKS, WEST HARTLEPOOL TEL. HARTLEPOOLS 2194

Also at : ABERDEEN • BELFAST • BIRMINGHAM • CAMBRIDGE • CARDIFF • DUBLIN • EXETER • GLASGOW • LEEDS • MANCHESTER

'EXPAMET' PRODUCTS

Expamet Expanded
Steel and Aluminium
Flattened Expamet
Safe-mesh Expamet
BB Lathing
Exmet • Ribmet
Super-Ribmet
XPM Welded Fabric

Good 'connections'



are important

When connecting timber members it is most essential to see that you use . . .

'TECO' (Patent No. 593945)

DOUBLE BEVELLED SPLIT-RING
AND

'BULLDOG'

(Registered Design No. 838743)

CIRCULAR TOOTHED-PLATE
TIMBER CONNECTORS

The inclusion of these connectors in timber structures strengthen the joints by spreading the load over a large area of the timber members, increasing the load capacity, permitting reductions in timber dimensions and the amount of hardware, at the same time giving extra strength and stability to the finished structure.

Made to
B.S. 1579

'TECO' double bevelled split-rings and
'BULLDOG' circular toothed-plate
TIMBER CONNECTORS make
possible the designing of timber structures on an engineering
basis for greater spans and loads than ever before.

EASY TO INSTAL • LESS TIMBER AND
HARDWARE REQUIRED •
SIMPLIFIES FABRICATION



Apply for full
particulars to:

**MACANDREWS &
FORBES LTD.**

2 CAXTON STREET,
LONDON, S.W.1. Tel: ABey 4451/3



"What's past is prologue"

BRITAIN has more electrical generating plant than it has ever had before; there is more electricity for everyone.

Britain's demand for electricity is also greater than it has ever been before; the factories, the farms, the homes and the offices are using more electricity—and asking for still more.

To meet these needs, British Electricity has achieved new records of construction each year. The sum of these to date adds up to the grand fact that Britain has 32 more power stations and the power available has been increased by more than a third in the past five years.

But all this fine plant is giving full output only for short periods once or twice a day. Continuous full operation would reduce the cost of electricity production. The most effective way to obtain more economical electricity generation is to expand the use of electricity for all purposes—in the home as well as in the factories, in office buildings and on the farms, and for street lighting. Every extra unit of industrial production, every new technique in armament, every provision of new houses—or of new services in old houses—every development in rural and farm facilities . . . calls for more and more electricity; so that in addition to the six million horsepower installed in British Electricity's first five years, 10 to 11 million horsepower of new generating plant is needed in the second five years to keep pace with our national and personal requirements.



**ELECTRICITY
PROSPERITY**



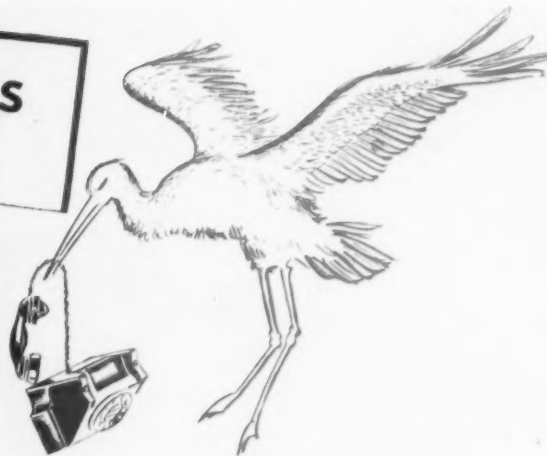
with LIFTS and ESCALATORS
by **J. & E. HALL**
LIMITED
Dartford Kent

© 14-1407A

B



New Arrivals
Welcomed



There's plenty of room for adding future cable extensions in the KEY Fibre Duct Wiring System. Its flexibility of service, bitumen-protection against corrosion and condensation, ease of laying without necessity for skilled labour and its contribution to good appearance and efficiency make the KEY System ideal for all new industrial and municipal buildings.

We will gladly supply full details on request.



The

ENGINEERING COMPANY LTD.

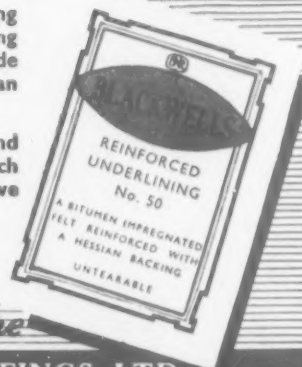
4 QUEEN VICTORIA STREET LONDON E.C.4. Telephone: CITY 1185



The Quality Felts Roofings and Dampcourses

For over 50 years Blackwells have been making Felts, Roofings and Dampcourses of outstanding quality and value. To-day these products provide Architects, Builders and Handymen with an unsurpassed range.

The same high standard of workmanship and materials goes into the roofing work which Blackwells carry out under contract. May we quote you for your requirements?



Write for samples & literature

BLACKWELLS & NATIONAL ROOFINGS LTD

ALTRINCHAM - CHES.
TEL. ALTRINCHAM 2641



ERITH - KENT
TEL. ERITH 2641

METAL WINDOWS and PARTITIONS by BRABY

METAL WINDOWS

Manufactured in Steel,
Aluminium and Bronze
to specification.

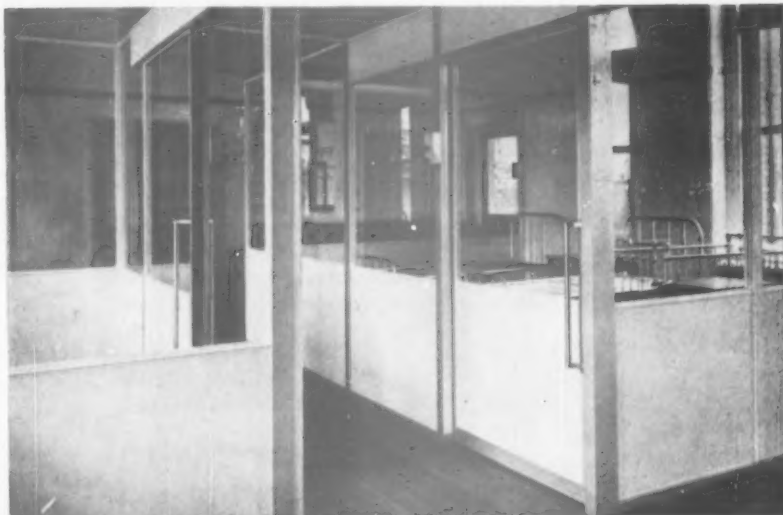
Lowndes Street Flats

Architects :

Sir John Burnet Tait & Partners, F.R.I.B.A.

Contractors :

Messrs. Holland & Hannen & Cubitts, Ltd.



'BAR-FORM' ALUMINIUM PARTITIONS

Ideal for export, the specially designed, Braby patented 'Bar-Form' partition is an extruded aluminium alloy structure carrying double sheet steel or aluminium dado panels insulated with slag wool.

*Northern Ireland Fever Hospital, Purdysburn
Nr. Belfast*

Architects :

Young & Mackenzie, F.R.I.B.A.

SOME OF THE WIDE RANGE OF

BRABY

PRODUCTS

FREDERICK BRABY & COMPANY LIMITED

ECLIPSE WORKS, PETERSHILL ROAD, GLASGOW, N. TELEPHONE: SPRINGBURN 5151

OTHER FACTORIES AT : Fitzroy Works, Euston Road, London, N.W.1. TELEPHONE: EUSTON 3456.

Ida Works, Deptford, London, S.E.8. TELEPHONE: TIDELWAY 1234.

Havelock Works, Aintree, Liverpool, 10. TELEPHONE: AINTREE 1721.

Ashton Gate Works, Bristol, 3. TELEPHONE: 64041. Also Falkirk & Motherwell.

OTHER OFFICES : 110 Cannon Street, London, E.C.4. (Export) TELEPHONE: MANAION HOUSE 6034.

Queen's Buildings, 10 Royal Avenue, Belfast. TELEPHONE: 26509.

Palace Street, Plymouth. TELEPHONE: 2261.

Background to Business

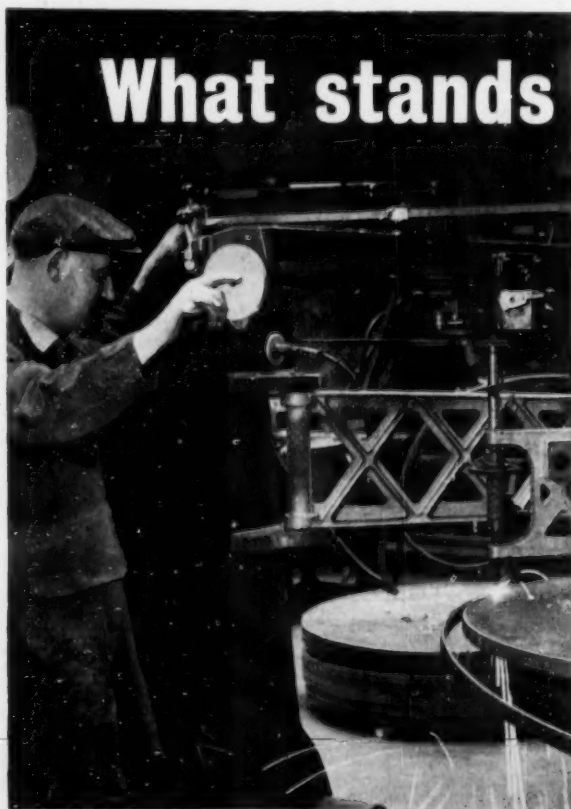
For each individual furnishing problem, Heal's can provide an equally individual answer. Here you see a walnut table designed to conform with an unusually shaped room. The table can be extended when required to accommodate a larger meeting. Whether you are looking for furniture for a 'problem' room, or an entire office block, you will find our services an excellent investment. We can design complete schemes, or work to your architects' plans.



The Board Room of a well-known London firm of Insurance Brokers, showing the furniture and panelling recently designed and supplied by Heal's Contracts Ltd., in collaboration with the architects, Messrs. J. Stanley Beard, Bennett & Wilkins.

HEAL'S CONTRACTS LTD

196 TOTTENHAM COURT ROAD, LONDON, W.1. Telephone: MUSEum 1666



What stands behind him?

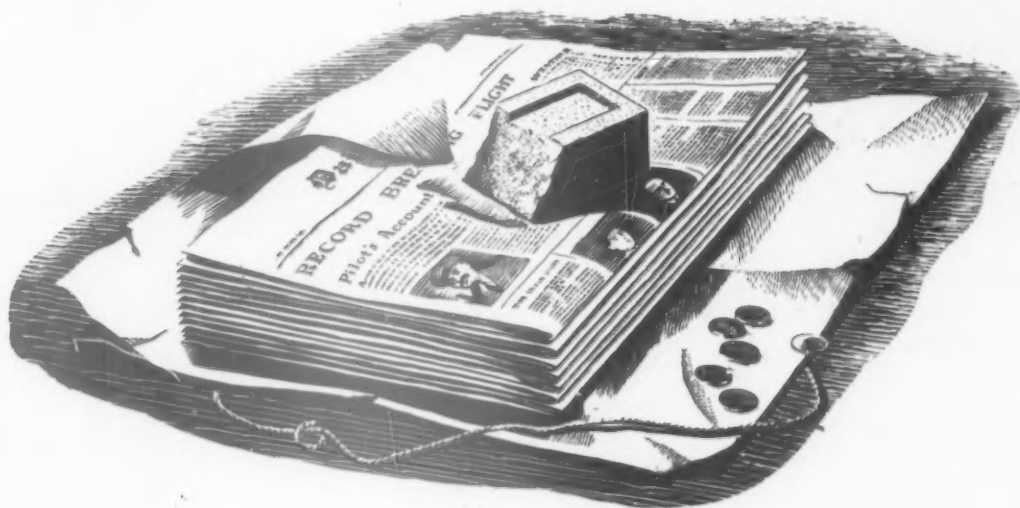
The man in the shop . . . like this operator using an oxygen cutting machine . . . can only produce good work if you give him the latest information (and the proper tools) with which to do the job.

WELDING & METAL FABRICATION, founded in 1933, is the journal covering *all* aspects of fabrication—from forming and shaping to final assembly. Its information keeps you in touch with the newest developments in fabrication, plant, processes and techniques. Send your subscription (33s. 6d.) to Dorset House, Stamford Street, London, S.E.1 or write for a specimen copy.

Keep up-to-the-minute with

**Welding and
Metal Fabrication**

BIG BUSINESS NEEDS BIG BUILDINGS



STEELWORK for NEWS

The hunger for news is insatiable and as it is distributed through the medium of bigger and faster running machines, so bigger and better buildings are needed.

Typical is the imposing facade of Kemsley House, Manchester, home of Kemsley Newspapers, with Steelwork by



CONSTRUCTIONAL ENGINEERS

Registered Office & Works: **MANCHESTER, 17**

Telephone: TRAfford Park 2341 (10 lines)

London Office: 68 Victoria Street, S.W. 1. Tel: Victoria 1331/2

Technical Offices: **BIRMINGHAM & LOUGHBOROUGH**



Acknowledgments to: Messrs. J. W. Beaumont & Sons Architects
53 Spring Gardens, Manchester, 2.



6 WIDTHS
10' 12' 15' 20' 25' 30'

3 EAVES HEIGHTS
7'0" 8'0" 10'0"
ANY LENGTH.

Whenever you require a timber building of any kind, write without delay to

THORNS

For Hutted Camps, Hospital Extensions, Halls, Offices, etc.

J. THORN & SONS LTD (Dept 113) · BRAMPTON ROAD · BEXLEYHEATH · KENT

Telephone: Bexleyheath 305.

Established 1896.

BD 590



***Maxheat**
OVAL
TUBULAR ELECTRIC HEATERS

*meet all
the demands
for space heating*

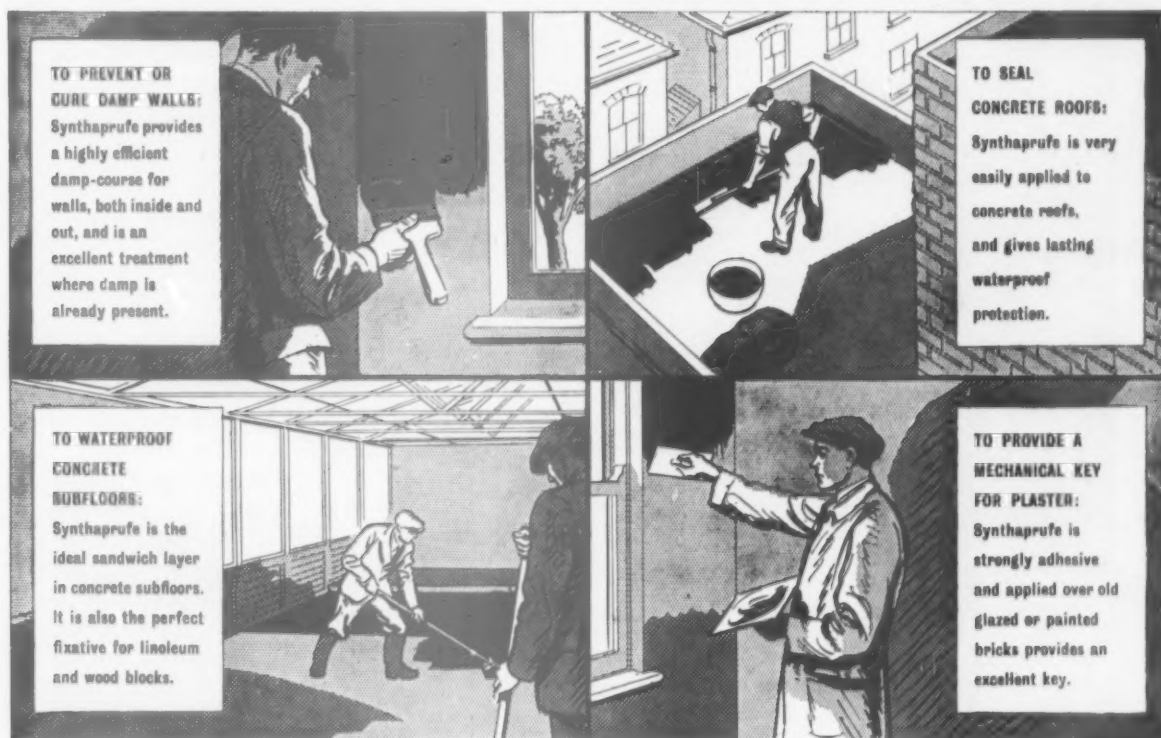
Maxheat Tubular Electric Heaters are suitable for installation in bungalows, houses, public buildings, hotels, theatres, industrial departments and factories, etc. They transfer their heat to the air extremely quickly, develop lower surface temperatures and are perfectly safe. Maxheat Tubular Heaters are simple to install and the STREAMLINE OVAL, unobtrusive and attractive in appearance, will harmonise with all design of modern interior decoration. Maxheat Tubular Heaters are available in all standard lengths from 2 to 17ft., single or in banks, in 60 or 80 watt per ft. Installations may readily be added to as and when required. The system is extremely elastic and a point not to be lost sight of is that room heating with Maxheat needs less tubing outlay than with competitive systems and will reduce initial installation costs. These are the reasons why Maxheat are the "World's best sellers."

*Get MAXHEAT for BETTER Space Heating.

THE Wardle ENGINEERING CO. LTD. Old Trafford, Manchester 16.

A brush-on waterproofing that contains rubber...

ELASTIC, ADHESIVE, IT MAKES AN IDEAL JOINTING



SYNTHAPRUF is a waterproofing compound which can be applied cold by brush; its rubber content makes it strongly adhesive, and it sets quickly and forms a strong, elastic, moisture-proof film.

Most surfaces will take Synthaprufe—concrete, plaster, brick, metal or timber—and it is equally effective on old or new buildings.

Synthaprufe is also highly effective as a vertical damp-course on either external or internal surfaces, and is most valuable for treating damp in existing walls.

When applied over old and shabby glazed brick or painted brick wall surfaces (e.g. in hospitals, institutions and factories) Synthaprufe provides an excellent mechanical key for plaster finishes. This process obviates the noise, discomfort and expense of hacking.

Applied to outer surfaces, Synthaprufe can be rendered with cement mortar. When applied to inside walls it may be finished in distemper or wallpaper, according to the manufacturer's instructions.

Synthaprufe offers the architect, builder, and engineer a waterproofing and jointing material of unusual efficiency and versatility, ready to use and easily applied.

Some special uses

- Sealing concrete structures above and below ground-level, cooling-towers, etc.
- Protecting concrete piles, steelwork, sewer-pipes, and joints, etc.
- Waterproofing old asphalt, lead, zinc, corrugated iron, or felted roofs.

SYNTHAPRUF

Manufactured by the  National Coal Board

Synthaprufe is a product of British Coal. Further details, and advice on any technical problem, will gladly be given on application to the National Coal Board, By Products, National Provincial Bank Buildings, Docks, Cardiff.

"TROY" CONSTRUCTION

"... methods revolutionary in the building trade ... elimination of wet processes on site ... conduits and pipes are concealed ... without any cutting away or making good ..."

Newbury Weekly News



The traditional appearance of the finished houses.

"In order to use to full advantage the 4" planning grid on which the houses were designed, it was decided that instead of erecting the brickwork first and building the partitions inside it, the process should be reversed. The cavity wall inner skin and cross partitions were therefore erected together. The brickwork followed on after the inner skin and partitions had reached first floor height."

"Prototypes generally cost a lot of money, and wastage of man hours are inevitable. Therefore no serious attempt was made to beat any time records held for building traditional houses, but from start to finish these houses have taken exactly eight weeks to complete, including all site works."

"The most important factor of this type of construction is the elimination of wet processes on the site. Conduits and pipes can be concealed in the Gypsum wall panels without any cutting away or making good."

The Architect and Building News



Building the cavity party wall in "Bellrock."

All enquiries should be addressed to:-

F. TROY & CO. LTD.
BUILDING CONTRACTORS
CIVIL ENGINEERS

131 GREAT SUFFOLK ST. LONDON, S.E.1

Phone: HOP 3973

TRUSCON

The most comprehensive service in concrete FLOORS

Three systems permit full flexibility and provide sound resistance, strength, wide range of spans and service accommodation.

Precast Type 1

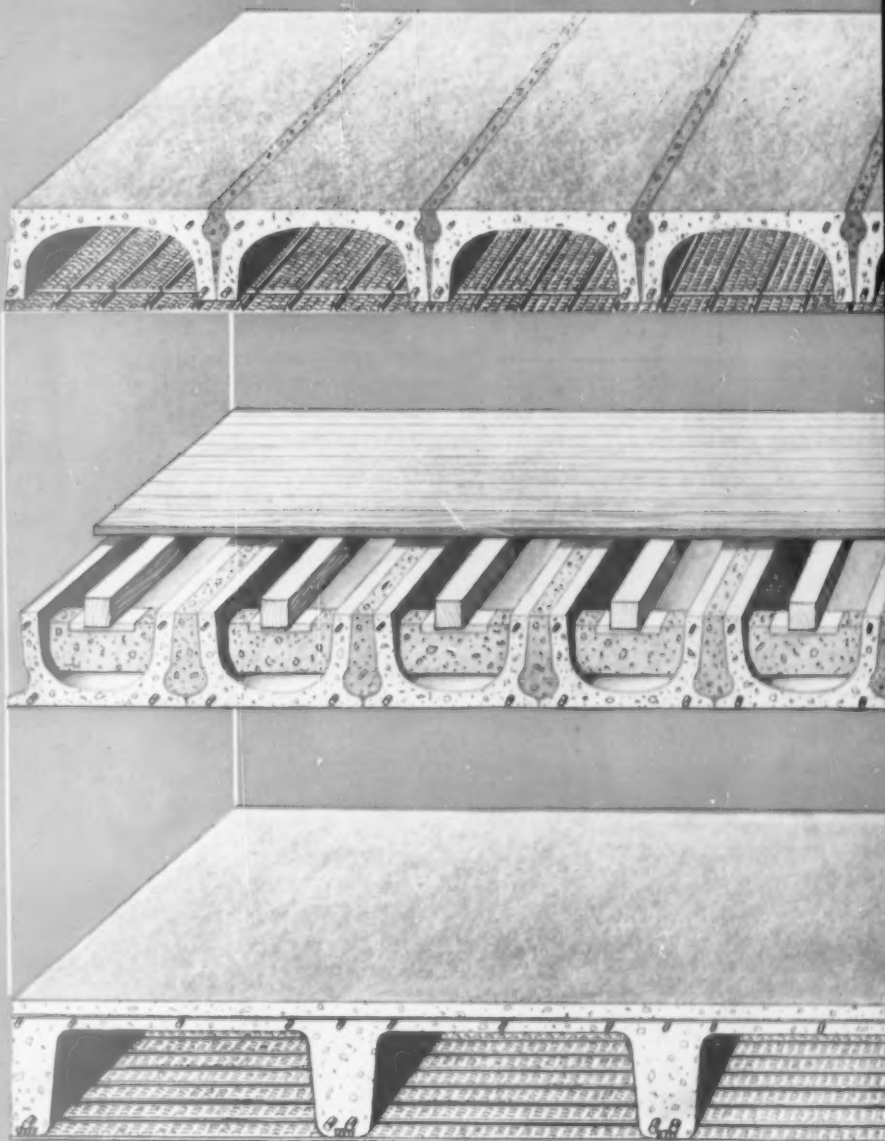
The type 1 Truscon Precast Floor spans up to 18' 0". Any floor or ceiling finishes can be attached, and in conjunction with a suspended or semi-suspended ceiling, a high degree of sound resistance is obtained.

Precast Type 2

The type 2 (or the semi-suspended tread type) Precast Truscon floor combines the fire resisting qualities of a reinforced concrete floor with the resilience of the timber floor, provides good sound resistance, and accommodation for electric light conduits and domestic services.

In situ

The Truscon floor cast in-situ will span up to 34' 0". It is constructed with removable steel forms as centering; and is light in dead weight. Used with a suspended or semi-suspended ceiling a high standard of sound resistance can be obtained.



Truscon floors are designed for individual jobs and full working drawings are supplied to the Contractor. We undertake the constructing of these floors and related ancillary concrete work.

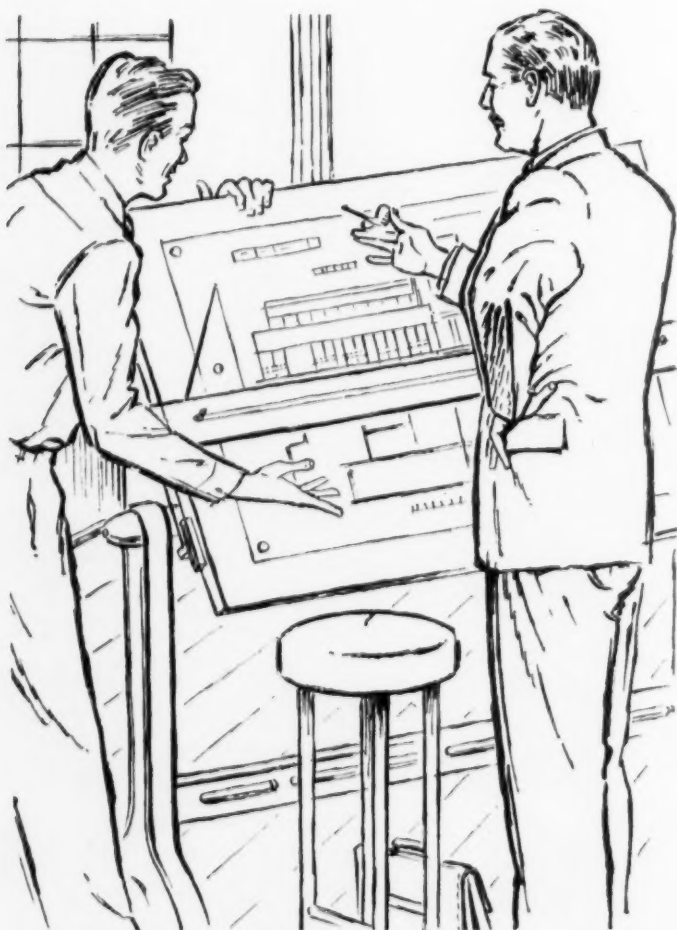
Truscon floors have behind them our full resources as specialists for nearly fifty years as reinforced concrete engineers. Resident engineers operate from our branch offices throughout the country.

Write to our Publicity Dept. for a copy of our latest booklet

THE TRUSSED CONCRETE STEEL CO. LTD.
REINFORCED CONCRETE ENGINEERS & CONTRACTORS
TRUSCON HOUSE, LOWER MARSH, LONDON, S.E.1 Telephone: WATerloo 6922

At the *Planning Stage* is the time to call in "Permanite"

IT IS IMPORTANT to use the expert knowledge of specialists when the waterproofing of building structures is being discussed.



*We are
Specialists in*

ASPHALT
ROOFING · FLOORING · TANKING

BUILT-UP FELT ROOFING
SYSTEMS

"PERMATILE"

"PERMASUL"

"PERMAC"

"PERMADEK"

Insulated Steel Roof Decking

Our Technical Representatives are
available for advice on any waterproofing
problems

PERMANITE LIMITED

BIRMINGHAM

220 Kingstanding Road, 22c
Phone: BIRchfields 5041/2

LONDON-HEAD OFFICE

455 Old Ford Road, London, E.3
Phone: ADVance 4477 (10 lines)

SALFORD

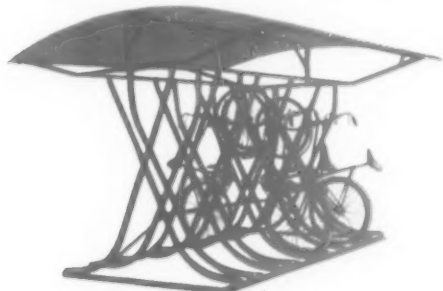
Stanley St., Salford, 3, Lancs
Phone: BLAckfriars 9469

ABIX

CYCLE STANDS

The Home of the British Cycle

ABIX Cycle Stands are constructed of steel throughout, stove enamelled green. Roof sheeting is normally of galvanised corrugated sheets. If required, sheeting can be supplied in Aluminium, Asbestos, or Robertson Protected Metal.



The illustration is of our type B stand with 12in. centres, 10ft. long, capacity of 20 cycles. This type of stand is popular on account of the small amount of ground space covered and the generous roof cover. We have 20 types for your selection. Illustrated catalogue on request.

STEEL PARTITIONS

ABIX steel partitions are light, strong and fire resisting.

Suitable for office or factory, they can be erected by comparatively unskilled labour.



Illustrated Catalogue on request.

ABIX (METAL INDUSTRIES) LTD

FACTORY EQUIPMENT SPECIALISTS

Taybridge Works, Taybridge Road, Battersea, S.W.11

Telephone : BATTERSEA 8666/7



EST. 1898

FABRICATORS IN STEEL

IRON STAIRCASES

STEELWORK

BALUSTRADING

S.W. FARMER & SON LTD, COURTHILL ROAD, LEWISHAM, LONDON, S.E.13.

PHONE: LEE GREEN 4334-9.

Ascot

the single-minded water heater

The Ascot is an expert. It *specialises* in giving hot water, and this it does more efficiently than any jack-of-all trades appliance.

- 1** Fuel is burned only while hot water is being drawn. The same water does not have to be re-heated over and over again; *payment is made only for the water actually used.*
- 2** Hot water flows the instant it is wanted. There's no waiting for a tank to heat up. That means a trouble-free hot water supply all the year round.
- 3** The supply is inexhaustible; Ascots never run cold. For as long as the tap is turned on hot water continues to flow.
- 4** Ascots make no dirt or dust, and need no stoking. They are completely automatic.
- 5** As no fire need be lighted to get hot water the kitchen is always cool in summer.
- 6** An ordinary open fire and an Ascot multipoint to give an instant, endless supply to three points cost no more to install than a back boiler which supplies three points *only if the tank is hot.*

There's an Ascot for every domestic need, from the inexpensive sink heater to a large multipoint that will supply all the taps in the house.

ASCOT 715

The very latest multipoint model and the world's first Balanced Flue gas water heater. Specified by 41 housing authorities for their own flats and housing schemes.

Has these outstanding advantages :—

- 1** Beautiful streamlined appearance.
- 2** Down-draughts into the room impossible.
- 3** Products of combustion *cannot* get into the room.
- 4** Completely automatic, 100% safe.
- 5** Supplies all the taps in the house, and can be coupled to the pipes of an existing system at low cost.

Four of every five instantaneous gas water heaters sold are Ascots. More than a million have been installed in British homes.



The Balanced Flue Ascot 715 can be installed in a bathroom with complete confidence.

That's proof of  *Leadership*

ASCOT GAS WATER HEATERS LIMITED • 255 NORTH CIRCULAR ROAD • LONDON NW10

A member of the PARNALL Group of Companies

THE
ARCHITECT
& BUILDING NEWS

7 January 1954

The "Architect and Building News" incorporates the "Architect," founded in 1869, and the "Building News," founded in 1854. The annual subscription, inland and overseas, is £2 15s. 0d. post paid; U.S.A. and Canada \$9.00

Published by ILIFFE & SONS LTD., DORSET HOUSE, STAMFORD STREET, LONDON, S.E.1
Telephone: WATERLOO 3333 (60 lines). Telegrams: "ARCHITONIA, SEDIST, LONDON."

Branch offices: Coventry: 8-10 Corporation Street; Birmingham: King Edward House, New Street;
Manchester: 260 Deansgate. Tel. Blackfriars 4412 (3 lines), Deansgate 3595 (2 lines); Glasgow: 268 Renfield Street.

FIRST TASK FOR 1954

THE Minister of Housing and Local Government, on the last day of the old year, congratulated himself, the local authorities, the builders, the building workers and the building materials producers on the year's housing achievement, some 10,000 new houses in excess of the target of 300,000. He and all those he mentioned in his speech at Barnet can be pleased and proud at this result for the living side of welfare in this country.

It is, however, one thing to hit the target fair and neatly in the bull's-eye but another thing to blow its centre out of sight by using over-powered artillery. The result may be disconcerting for those who have to shoot-off the next round. 10,000 houses mean a lot of materials and man-hours and so much cannot be done without something else suffering. What has it been in 1953? Industry? Schools? Hospitals? Repair of usable old houses? Slum Clearance? At any rate the Minister is fair enough to say that in his sphere the slums must be cleared and that new life must be instilled into older and sound houses. It is a pity perhaps that similar New Year's Eve reviews were not made by the Minister of Education, the Minister of Transport, the President of the Board of Trade and the Home Secretary. If this had happened the nation might be in a better position to weigh up the feats and adventures of 1953 in a balanced way and with the backing of fuller knowledge.

One sphere that did not improve is that concerned with road transport. In fact scattered facts and figures published by all sorts of bodies, public and private, seem to indicate that far from anything much being done about traffic congestion and the losses in life and money that it causes, the reverse is the case. The facts and figures we mention are themselves unco-ordinated; the price of motor vehicles continues to come down; the costs of new roads and road widenings continue to go up; the

techniques of road surfacing, road lighting, road signing, parking, safety, and vehicle design seem to proceed in the same muddled and unrelated ways as have led to the present jam-up. The road casualties do not go down, which is, taking all the circumstances broadly, not to be wondered at.

Finally, to put the problem in its proper setting, we can only repeat what we have said before; all methods of transport must be considered together and co-ordinated in this congested island. Road transport is the most in need of drastic action but it cannot be taken as a separate problem without relationships.

The worst factor of the road mess and one that is growing faster than all others, is the congestion within built-up areas and particularly in the larger urban centres. Yet new buildings are permitted that do not absorb their own traffic adequately; through routes, in spite of yellow bands round lamp posts, are becoming more congested, because alternative back routes are increasingly jammed by parked vehicles and now certain places are to have parking meters installed. Incidentally, is it legal "to legalize" the obstruction of a highway by charging a fee for the obstruction?

What is the comprehensive answer to this nemesis? This unintelligent attempt to use horse tracks for modern transport? And who, or what combination of people, is to make it? We suggest that here is the first problem for 1954. The most important one that should take precedence over all others. Improve transport conditions and the cost to the nation for waste of time and space and all that those things mean in additional costs to building, to manufactures and above all to the cost of life itself, all these can be reduced. This is not a problem the solution of which benefits road users alone; even those who merely stand and wait are served by transport, fed by it, clothed by it, housed by it and even buried by it. Cannot, for once, first things be put first? In 1954?

EVENTS AND COMMENTS

... AND A HAPPY NEW YEAR

To all readers a very Happy New Year! Included among readers are those who occasionally write and tell me that I am a blithering idiot. Writing this on a day which I think should have been included in the Christmas holiday I feel very slightly cheated at the apparent shortness of the festive season, nevertheless I do wish everyone a Happy New Year.

Some columnists have either very long memories or else write down all the outstanding architectural events of the year in a diary so that they can recall them in a New Year's Issue. My memory is not particularly good and I have no diary; all the same I would like to draw your attention to the man whom I consider to be the architectural figure of the year. I have praised him often enough but I have also blasted him. No one is perfect, least of all in architecture. Official patronage of the arts through ministers is of two kinds, the first where the Minister personally knows nothing but is well advised and has the sense to follow his advisers, and the second where the minister is himself a cultured man and himself takes right decisions, backed where necessary by professional advice. In the present Minister of Works we have a man of the second type. Those who do not like him have belittled his efforts at the Coronation and have accused him of playing to the gallery. It is, however, accepted that a great deal of the success of the arrangements and the high general standard of design were in fact due to him personally taking the right decisions. Sir David Eccles has shown himself in a number of other ways to be more than usually interested in the arts and architecture in a government which is perhaps not so sensitive on these matters as many would like. The minister is to be seen at practically all exhibitions of architecture and industrial design and his particular interest in the work of the Royal College of Art is well known. Ably supported by his chief architect, Mr. Eric Bedford, he has turned his attention to the design of official buildings and their furnishings.

The recent exhibition of furniture for the Colombo office of the British High Commissioner in Ceylon showed that he is prepared to use our best contemporary designers. Sir David Eccles always speaks well and always has something interesting to say. He is usually convincing but sometimes not as accurate as he should be in the presence of experts. He is easy to talk to and charming to meet. Some people think that he is a shade too well dressed, and a shade too smooth. I think that it makes a nice change. I do not like his replanting ideas for Kensington Gardens nor his palm house for Kew, but putting these and one or two minor misdemeanours against the undoubtedly good things which he has done in the past year he is still my choice for the architectural figure of the year.

SWEDISH INDUSTRIES FAIR INTERNATIONAL

Founded in 1918 the Swedish Industries Fair has hitherto been a national show. This year it is to be international and is to contain a building section which will be housed in a hall shared with a packaging section. The fair will be held in Gothenburg from May 20 to 30. The London agents, from whom all particulars may be obtained, are John E. Buck and Co., 47, Brewer Street, W.1. A

feature of the fair will be that exhibits, of the same kind, will be grouped regardless of nationality. There will be no national sections.

I sometimes wonder whether we pay sufficient attention to foreign developments in building and the design of equipment. Attendance at foreign fairs is an excellent way of keeping in touch. Manufacturers who do not exhibit should surely attend and competently written reports should be available for the generality.

JOHN AND JANE LOUDON

An L.C.C. commemorative plaque was recently attached to No. 3, Porchester Terrace, W.2, where John and Jane Loudon, the horticulturists lived. Doubtless they are well known to landscapists and others, but I must admit that I did not know that they had so much influence on the planting of London squares. Before the Loudons took a hand London squares were planted with spruce and pine. They replaced them with sycamore, plane and almond. I hope that the Westminster City Council, wreckers of London's squares, will take note of this plaque and what it stands for.

HOUSING MEDALS, 1954

The M.o.H. and L.G. is to award further housing medals in 1954. Any post-war scheme may be entered provided that it has not previously been entered. Another welcome innovation is that the builders of winning schemes will receive a diploma.

In 1955 it is proposed to hold two competitions, one for conversion schemes carried out by local authorities or private owners, and the other for new housebuilding schemes by private owners. These are both good ideas but the former will be very difficult to judge unless it is done on the before and after basis. It will be extremely difficult to compare different conversion schemes otherwise. Although they certainly may exist I have yet to see a private housing scheme that is better than very bad indeed and I very much hope that the jury, when it is appointed, will set at least as high a standard as is set for official housing.

THE C.O.I.D. AND THE CHELSEA FLOWER SHOW

For a combination of natural beauty and man-made horrors the Chelsea Flower Show has for years been unequalled. Garden furniture and contractors' gardens, with occasional exceptions, have very low design standards. This year, however, the C.O.I.D. is to have a special display of outdoor furniture at the show. The display will be financed partly by the R.H.S. and partly by the manufacturers. The selection of furniture will be made by the C.O.I.D. from its Design Review and from details of new designs submitted by manufacturers.

This is a good beginning. Now what about some really well-designed gardens as well? No one questions the skill of our growers to produce lovely flowers but their garden designers need a good shaking up.

INSTITUTE OF CONTEMPORARY ARTS

One of my spies reports a lively evening spent by members and guests at the Institute of Contemporary Arts on



Mr. Edward Maufe, R.A., knighted for services to the Imperial War Graves Commission, a photograph taken at the opening of the Runnymede Memorial.

Wednesday, December 16. The occasion was one of their architectural criticism evenings, the subject chosen being shops, with Mr. J. M. Richards in the Chair.

The architects of four well-selected contemporary shops explained the problems they had to face, and what they did towards solving them. The shops discussed were: Dolcis Shoe Shop, 22, Old Bond Street, architect Ellis E. Somake; London Shoe Company, New Bond Street, architect Christoph Bon of Chamberlin, Powell and Bon; British Railway Enquiry Bureau, Lower Regent Street, architect Dr. F. F. C. Curtis; and the British Railway Enquiry Bureau, Victoria Street, architect H. H. Powell.

This was followed by a general discussion with very varied contributions from members of the audience, ranging from the Lady who wished to see and handle every item the shop sold to the traditionalist who regretted the passing of the highly decorative and chandeliered shop, which made shopping such a social pleasure and mourned the regimentation of to-day's designs.

The four examples shown were well chosen in that there were opportunities for contrast and yet it was perhaps odd that the problems met were very similar and the methods of solution showed the sameness of approach. It was a pity that the session was cut short at a time when the questions began to flow more freely, but there is no doubt that the evening was a most stimulating one. Public criticism meetings such as these can be a very good thing and there should be more of them.

PACKAGING IN THE BUILDING INDUSTRY

There has, since the war, been a minor revolution in the design of packages for goods for domestic use. The build-

ing industry is now showing signs of interest in packaging. A number of paint manufacturers have had their tins restyled and the latest, and one of the best designs which I have seen, comes from Associated Lead Manufacturers, Ltd. Their "Magnet" Finishing and Undercoating paint tins have been designed by Milner Gray. There is plenty of room for this sort of improvement in the building industry. A number of brewers and mineral water manufacturers have, by competing with each other in good design for packaging, transformed the look of many a dull saloon bar. The average builder's merchant's trade counter needs cheering up, so on, sirs, on!

THE ROYAL GOLD MEDAL

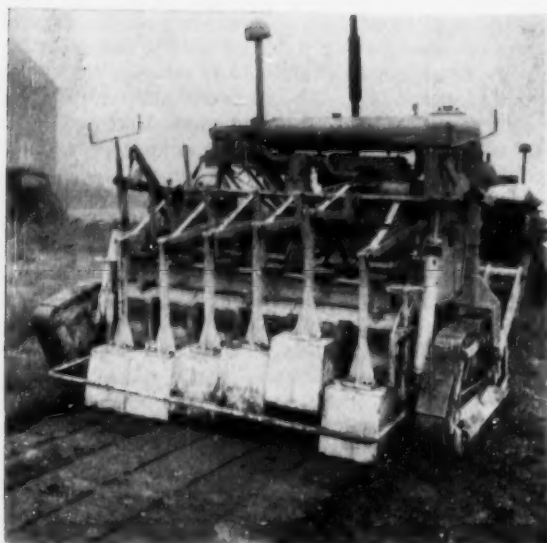
Sincere congratulations to Mr. A. G. Stephenson on the award of the Royal Gold Medal for 1954. Particular congratulations as he will receive the medal from Her Majesty in person. A rare distinction. It was a happy thought to award the medal this year to an Australian. A note on another page gives a short account of Mr. Stephenson's career.

GAUDEAMUS IGITUR

Among senior army officers it is usually easy enough to predict the award of honours. It is not so easy among architects and others. This New Year's honours list, however, gives considerable cause for satisfaction. Sir Thomas Bennett receives the K.B.E. for his work at Crawley. Sir Thomas's architecture may not be to everyone's taste but he is a great organizer. Mr. Edward Maufe, who receives a knighthood for his work for the Imperial War Graves Commission, has many other claims to fame as well. If we admired his work more when we were students it is not his fault that fashion changes. Mr. J. H. Forshaw, of the Ministry of Housing and Local Government, receives the C.B. Mr. Forshaw's works are seen in the progress in the quality of Government housing which has been brought about partly by successive Housing Manuals and partly by the encouragement which the M.o.H. and L.G. has given to local authorities to employ good official and private architects for the work. Mr. Frederick Gibberd receives the C.B.E. and richly deserves it for his work at Harlow alone. It is just now the height of fashion to say that the new towns are a failure, but even the most fashionable usually concede that Harlow has something to recommend it. Mr. Gibberd's architecture was, until quite recently, highly favoured among critics. It is no longer so. The problem of awarding honours to architects is indeed tricky. They should, I suppose, receive any honours that are coming to them at the time that their work is in the architectural news. This is usually when they are in their early thirties. Such awards would be contrary to normal policy. Honours for architects, therefore, though almost always richly deserved, are seldom likely to be popular with the smart set. Does it matter very much?

Particular congratulations, too, to Ian Murray Leslie on the award of an O.B.E. As editor of *The Builder* Mr. Leslie holds a special place in the world of architectural journalism. It is not, perhaps, generally known that he devotes a considerable part of his spare time to being a children's magistrate and to running a boys' club.

I imagine that everyone will be delighted that Jacob Epstein has received a knighthood. His latest work in Cavendish Square takes my breath away every time I see it. Mr. John Christie, of Glyndebourne, is made a Com-



NEWS OF THE WEEK

New Year Honours

Knight Bachelor: George Foster Earle, C.B.E., Chairman, Associated Portland Cement Manufacturers, Ltd. Herbert John Baptista Manzoni, C.B.E., City Engineer and Surveyor, Birmingham. Edward Brantwood Maufe, R.A., L.L.D., F.R.I.B.A. For services to the Imperial War Graves Commission.

C.B.: John Henry Forshaw, M.C., F.R.I.B.A. Chief Architect and Housing Consultant, Ministry of Housing and Local Government.

K.B.E.: Sir Thomas Penberthy

Bennett, C.B.E., F.R.I.B.A. Chairman, Crawley Development Corporation.

C.B.E.: John Thomas Asprey Brooks, Chief Quantity Surveyor, Ministry of Works. Herbert Wallis Coales, O.B.E., M.C., Deputy Chief Engineer, Ministry of Housing and Local Government. Robert Vere Darwin, Principal, Royal College of Art. Frederick Gibberd, F.R.I.B.A.

O.B.E.: Kenneth Sutton Dodd, M.C., Deputy Chief Housing and Planning Inspector, Ministry of Housing and Local Government. William

panion of Honour for his services to opera. All music lovers will applaud this and all architects who have admired the opera house in its various stages of development should applaud, too, for Mr. Christie is his own "architect." I use the inverted commas to prevent a breach of A.R.C.U.K. rules.

SIR DAVID'S TREES

The correspondence in *The Times* has not let me forget my resentment with the Minister of Works for not replanting Kensington Gardens with elms. At the same time I thought I should find out about these Scarlet Oaks that are to replace some of the elms. My information comes from an excellent book *Trees for Town and Country*, by R. S. Badmin, published by Lund Humphries, 1947, at 25s. The Scarlet Oak, *Quercus Coccinea*, was introduced into Britain in the 17th century; it grows to 60ft in 70 years, to 25ft in 20 years, and 12ft in 15 years. "The great value of the Scarlet Oak is the colour of autumn foliage . . . the foliage first turns a deep crimson and holds that colour for many weeks. Even after the colour fades from red to deep chestnut brown the leaves do not fall, but remain on the tree until the first stirring of spring, giving a remarkably striking effect in the winter scene." The tree is especially suitable for lawn, roadside and village green. You and I, dear chums, should, with luck, live to see them grow to between 20 and 30ft in height.

THE DESIGN OF LIGHTING FITTINGS

Having recently criticized the design of contemporary lighting fittings, I am pleased to note that the Illuminating Engineering Society is to hold a discussion on the subject on January 26. Architects will be welcomed at the meeting and I hope that some will attend.

ABNER

A demonstration of road construction by soil stabilization was visited by Mr. Ernest Marples on December 16. The demonstration was put on by Mr. H. L. Kerr, Borough Engineer and Surveyor to Dartford Borough Council, at the Temple Hall Housing Estate where all the roads have been made by this method at an estimated saving of £4,000 per mile.

The equipment, which is made by Rotary Hoes Ltd., consists of two units drawn by a caterpillar tractor. The first machine contains a pulverizer, cement spreader and mixer, and draws its power from the tractor. The second machine, which is shown above, is the compactor which has its own power supply.

The whole arrangement moves at about one-eighth of a mile per hour. Only certain soils are suitable for this sort of treatment, and the topsoil has to be removed beforehand. The slight pattern left by the compactor is removed by a light roller and 24 hours later the surface is covered either by tar and grit for light traffic or 2 inches tarmac for heavy.

Johnstone, Principal, London County Council Central School of Arts and Crafts. Ian Murray Leslie, Hon. A.R.I.B.A., Editor of *The Builder*. Arthur Charles Manuel, A.R.I.B.A., Assistant Chief Architect, M.O.W. Ronald Williams, Chief Sanitary Inspector, Coventry.

O.B.E.: Stuart Henry Stephenson, lately Architect-in-Chief, State of South Australia.

M.B.E.: William Edmund Withers Bacon, Quantity Surveyor, War Office. John Ralph Edwards, F.R.I.B.A. For architectural services in South-West

England. Reginald Victor Hayman, L.R.I.B.A. For services to the Glamorgan Police Authority. Joseph William Higgs, Divisional Secretary, Amalgamated Union of Building Trade Workers. William Robert Ingram, lately Superintendent of Works, M.O.W. Andrew Fraser Insch, Chief Clerk of Works, Aberdeen.

R.I.B.A. Dinner

In order to avoid limiting the number of guests which each member may bring, the R.I.B.A. Dinner is to be held at Grosvenor House, Park Lane, W.1, this year. The date is February 19 and the time 7.0 p.m. for 7.30 p.m.

The price of tickets is 32s 6d each for members and their guests (exclusive of wine, cigars, etc.). Applications for tickets should be made as soon as possible and it will greatly assist if the form issued with the December R.I.B.A. Journal is used for this purpose. Members may bring as many guests as they wish and applications for tickets should be accompanied by crossed cheques or money orders made payable to the Secretary, R.I.B.A.

Presentation of Royal Gold Medal for Architecture, 1954

Her Majesty the Queen will be presenting the Royal Gold Medal to Mr. Arthur George Stephenson, C.M.G., M.C., F.R.I.B.A., A.M.T.P.I., during her visit to Melbourne. In consequence the General Meeting arranged at the R.I.B.A. for April 6, 1954, has been cancelled. For more details see page 27.

R.I.B.A. Library Group Meeting

The next meeting of the Library Group will take place on Monday, January 11, 1954, at 6 p.m. at the Royal Institute of British Architects, 66, Portland Place, W.1. The evening will be devoted to the identification of unknown drawings in the possession of the Library.

EXHIBITIONS

The premiated designs in the University of Sheffield Architectural Competition for the Design of University Buildings will be on view at the R.I.B.A., 66, Portland Place, W.1, from January 8-20, 1954 (Mondays-Fridays 10-7; Saturdays 10-5).

Exhibition of chairs in wood and metal, designed by the Royal College of Art, at the Building Centre, 26, Store St., W.1, from Jan. 11 to 23.

Sir Alexander Brebner to Retire

Sir Alexander Brebner, C.I.E., will retire at the end of the year at the age of 70, from the post of Licensing Officer at the Ministry of Works Scottish Headquarters, an appointment which he has held with distinction for the past 11 years.



Mr. Alan Roscoe-Hudson, A.R.I.B.A., who has been appointed Architect to the Timber Development Association.

COMPETITION OPEN

The Royal Burgh of Kirkcaldy invite Architects to submit in competition, designs for a crematorium to be erected at Dunnikier Park, Kirkcaldy.

Assessors—Dr. Donald Bradbury, Ph.D., F.R.I.B.A., A.M.T.P.I.

Premiums—1st £300; 2nd £200; 3rd £100.

Last day for submitting designs—Saturday, May 8, 1954.

Last day for questions—Saturday, February 20, 1954.

Conditions of the competition may be obtained on application to the Town Clerk, Town House, Kirkcaldy. Deposit £2 2s.

APPOINTMENT

Sir Eric de Normann, K.B.E., C.B., Deputy Secretary, Ministry of Works, will shortly retire from the public service. With the Prime Minister's approval Mr. Edward F. Muir, C.B., now Deputy Secretary, Ministry of Materials, will be appointed as his successor.

CORRECTIONS

ST. PAUL'S METHODIST CHURCH, CRAWLEY

This Church, illustrated in the *A. & B.N.* of December 24, 1953, is the first ecclesiastical building to be completed in Crawley New Town, but not the first in any of the New Towns. In the same article, Limmer & Trinidad Lake Asphalt Co., Ltd., were credited for the laying of Accotile flooring. This should, of course, have read "Semastic Decorative Tiling."

QUIZ

Chandigarh is the new capital of East Punjab, India, and not Pakistan as given in the answers in last week's issue.

CORRESPONDENCE

Proportion and Symmetry in Relation to Modular Co-ordination

To the Editor of *A. & B.N.*

Sir,—The lengthy treatise in your issue of December 17 on the new Adeyfield Hall under the heading of Aesthetics contains the following amazing sentence "The pitch of the main roof is reiterated on plan in the shape of the North wall and the pitches of the two copper roofs are integrated (sic) in that they meet at a point which is the extremity of the committee room as can be observed on the elevations." The keynote of this preposterous diatribe would appear to be the last seven words.

Can the person who was responsible for this recondite nonsense elucidate his theories further and explain how it is possible, short of aerial observation, for anyone to appreciate the fact that the roof and the North wall happen to be raked at the same angle? Can he also state how even the normal eye-level observer can verify the statement regarding the projection of the two roof pitches meeting at the extremity of the committee room, short of actual measurement or a trigonometrical calculation?

I would submit that the words "as can be observed on the elevations" give the lie to the entire question, viz., that the person who wrote it, in common with many architects of to-day, is one who considers the production of design a mere satisfactory agglomeration of shapes on a sheet of paper.

Small wonder then that we are hard put to it to produce buildings worthy of publication when architects are paper-conscious and concerned only with what we as students referred to as "happy shapes."

I am, etc.,

GEORGE S. GOURLAY, A.R.I.B.A.

COMING EVENTS

Incorporated Institute of British Decorators and Interior Designers

Jan. 12 at 6.30 p.m. A lecture on "Sir Christopher Wren and His Craftsmen," by Martin S. Briggs, F.R.I.B.A., Author of "Wren the Incomparable" and of "Christopher Wren." At The Royal Society of Arts, John Adam Street, Adelphi, W.C.2.

The Royal Sanitary Institute

Jan. 13 at 2.30 p.m. Discussion on "Slums: Clearance and Improvement," to be opened by G. S. Freeman, Sanitary Inspector (Housing), Bethnal Green. At 90, Buckingham Palace Road, S.W.1.

The Institution of Structural Engineers

Jan. 14 at 5.55 p.m. Talk on "Soil Stabilization of Fine Materials," by S. J. Crispin, L.R.I.B.A., at 11, Upper Belgrave Street, S.W.1.



The two lounges and bars from the bay window.

Alterations to Trevoze

Golf Clubhouse.

Constantine Bay

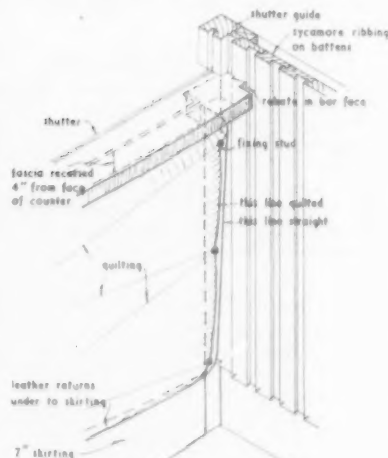
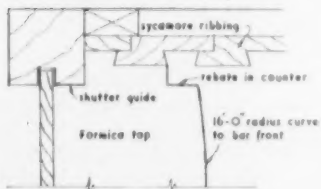
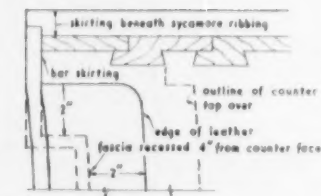
architect :

MICHAEL LYELL

WHEN the golf course was purchased by the architects' clients it consisted of a clubhouse, a golf course of merely average holiday standard, and some surrounding fields. Since the war many improvements have been made to the course. The South Western Championships have been played there twice in the past five years, and it is now recognized as the best golf course in Cornwall and one of the best in the South West of England.

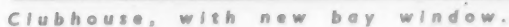
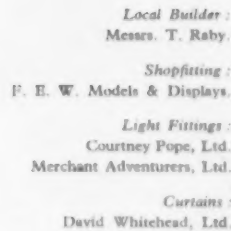
All this time only very minor improvements had been carried out to the clubhouse itself, and it was decided to rejuvenate the interior in two stages (to conform with licence, etc.) The first stage has now been completed as shown on the accompanying photographs and drawings.

The main items of this stage were: Addition of a bay window with built-in window seat to the general lounge.



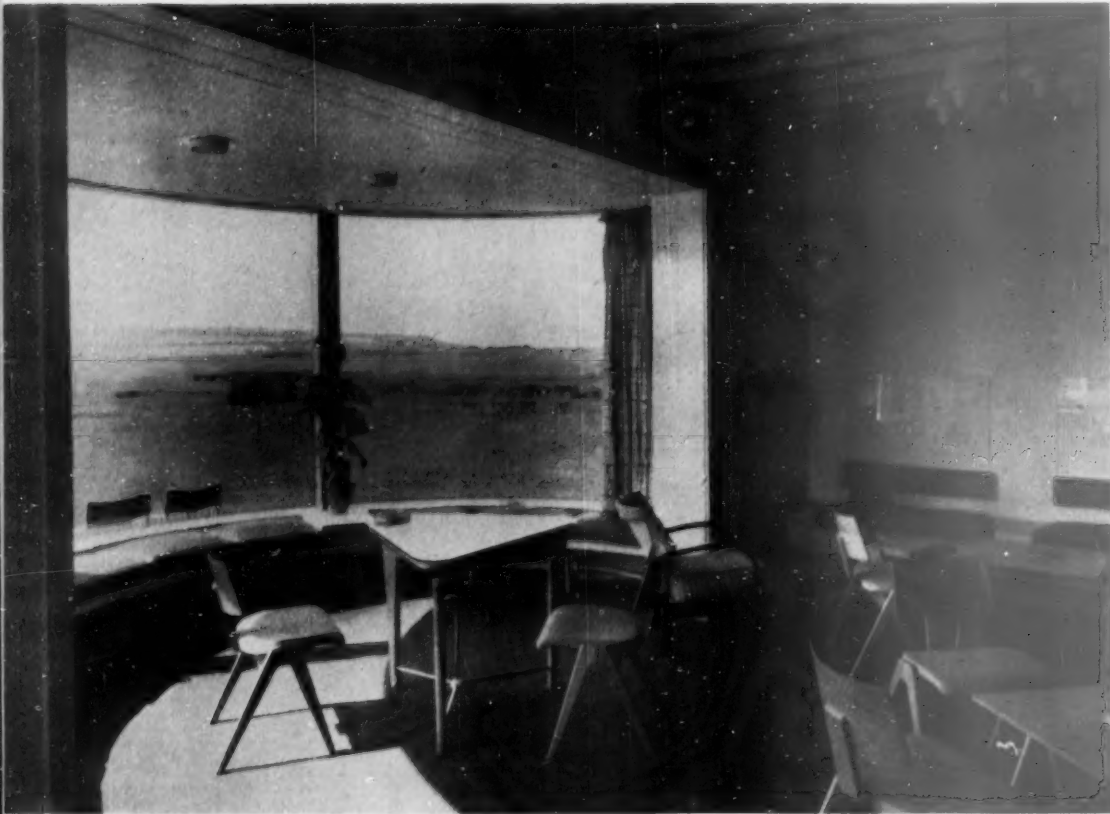
Bar counter details.

Complete redecorations to general lounge and men's lounge including built-in seats; new screen by entrance to general lounge; new light fittings, carpets, curtains, furniture, magazine racks, etc. Sliding doors which have been installed between the two lounges, are kept permanently open in the summer when the club is full, and closed in the winter when only the local members are using the club. New bars have been installed in each lounge. A new access has been formed to the bar from the dining room.



mahogany frames. Existing loose furniture in the men's lounge has been re-covered with grey and white material. Bar counter tops are covered in grey linette Formica and the interior counter tops in scarlet Formica with white framing.

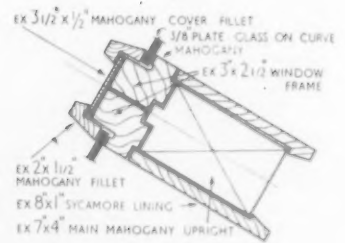
Future development includes accommodation for golfers and visitors. In two fields behind the clubhouse 20 plots have been laid out for single-storey houses. Plans of the first type are shown on page 10.



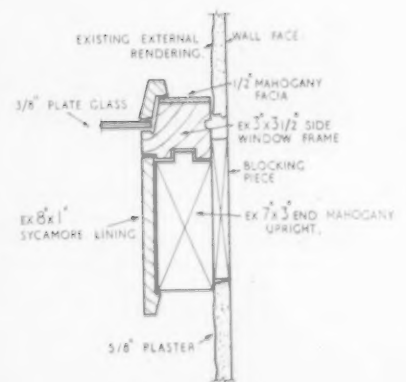
In the general lounge, the new bay window overlooks the course.

Alterations to Trevoose Golf Clubhouse

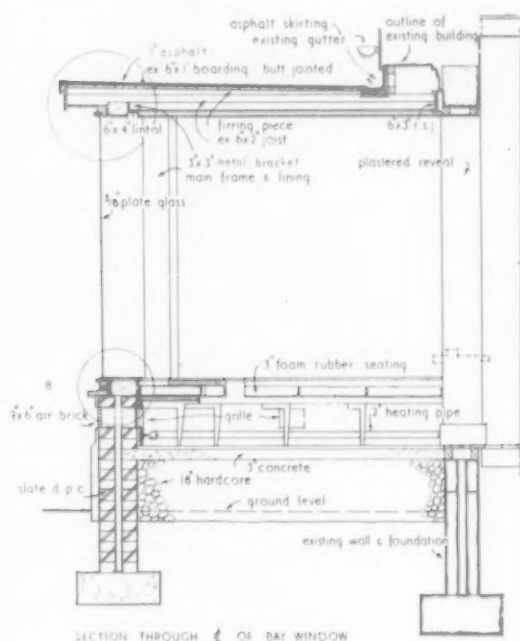
View from outside.



DETAIL AT 'D'

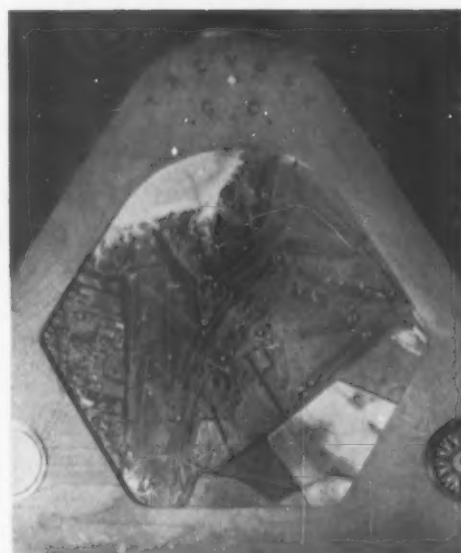
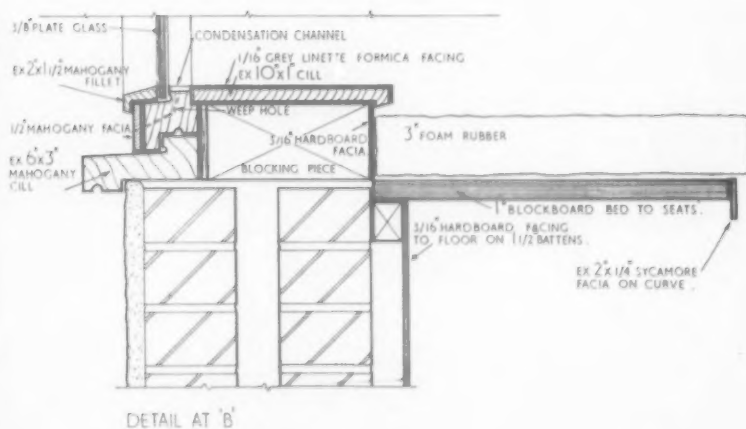
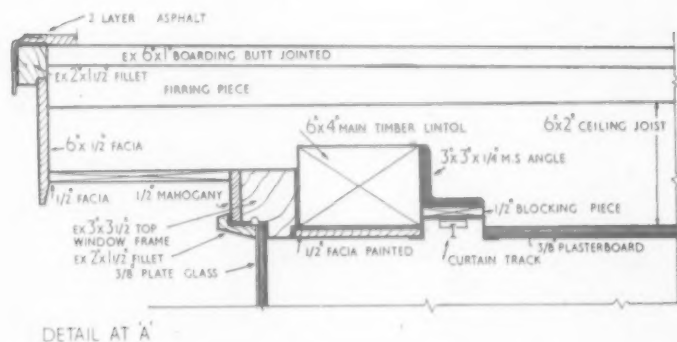


DETAIL AT 'C'

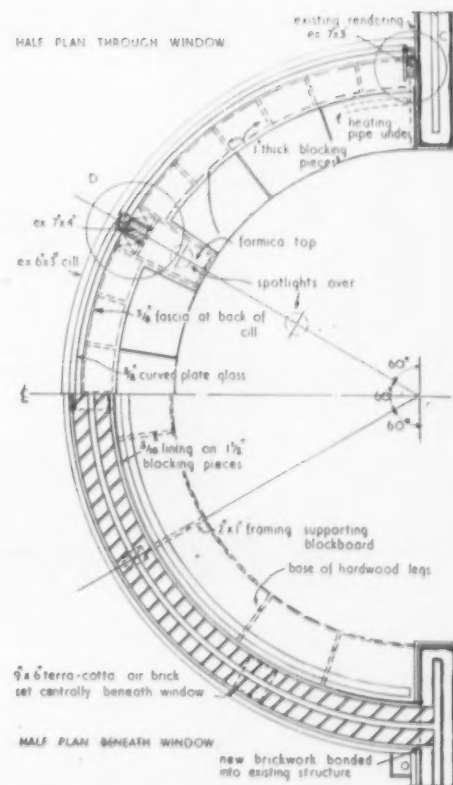


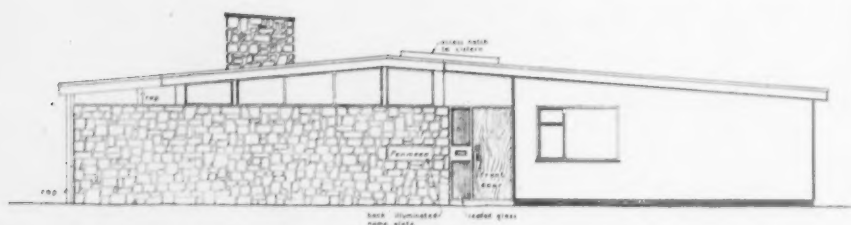
Bay Window Details

Scale: 1" = 2" and 1/8" = 4"

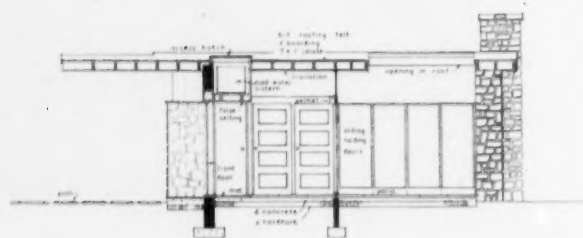


The triangular table in bay window pictured on the opposite page, has a map of the course. The table, designed by the architect, is in Sycamore with brass tube and letters.

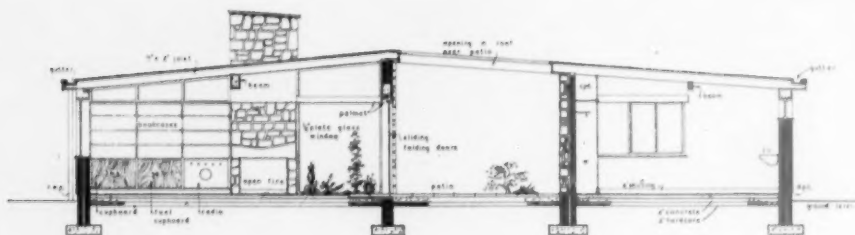




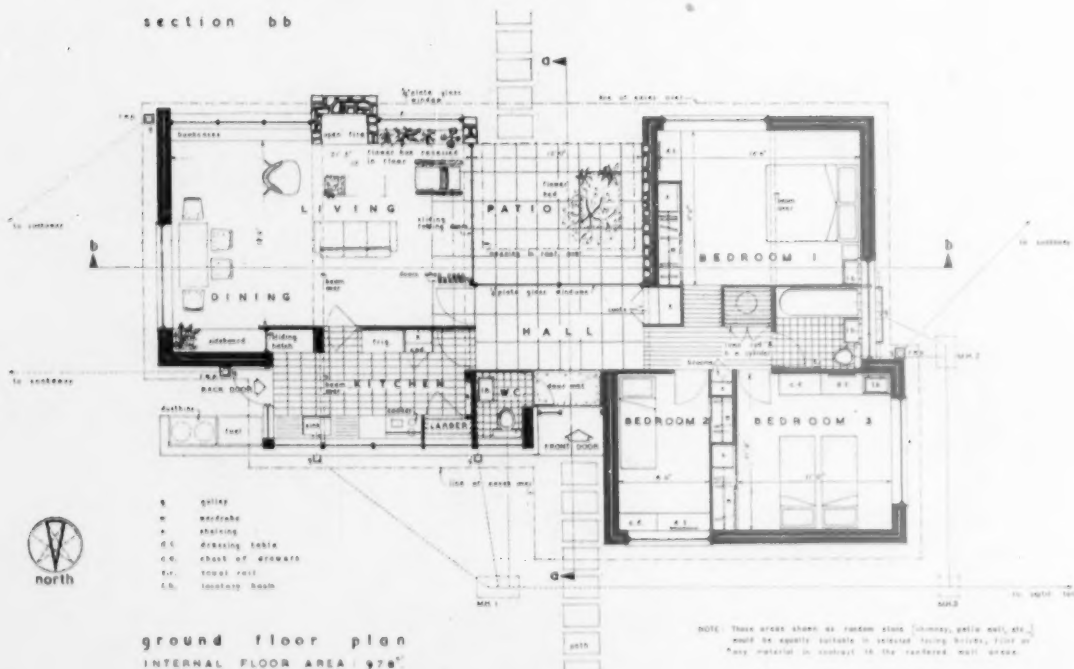
north elevation



section aa



section bb



*Alterations to
Trevose Golf
Clubhouse
Future Cottages*



Main entrance front from West

THE JOSEPH TRITTON SCHOOL, BATTERSEA For The L.C.C.

architects :

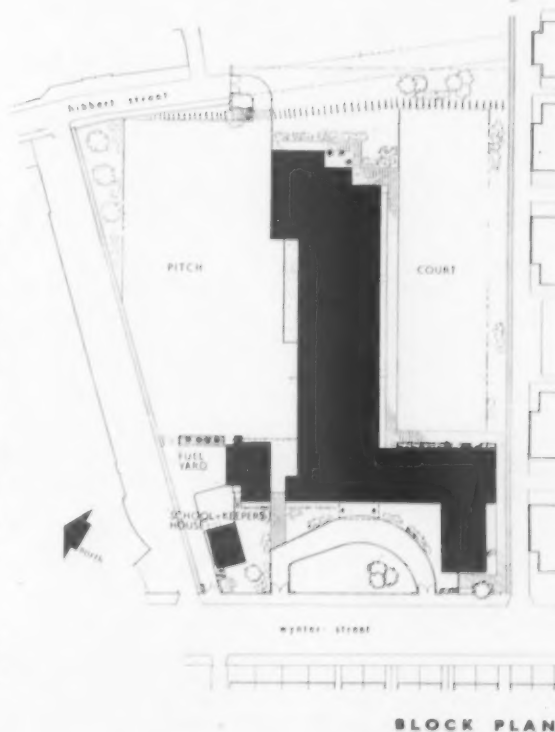
SIR JOHN BURNET, TAIT
& PARTNERS

THIS new mixed primary school has places for 560 pupils in its Junior and Infant departments and was built for £159 12s 4d per place. Because of the very restricted site, the school was planned on three floors. The two assembly halls are placed over one another and classrooms on each floor are served in pairs by individual staircases.

The site occupies 1.88 acre of bombed residential area between Battersea and Wandsworth. It has absorbed Linda Street and has access from Wynter Street on the West side and from Hibbert Street on the North-east side. The main entrance is on the Wynter Street side. The school occupies 0.75 of an acre, an area of 54.8 sq ft per child.

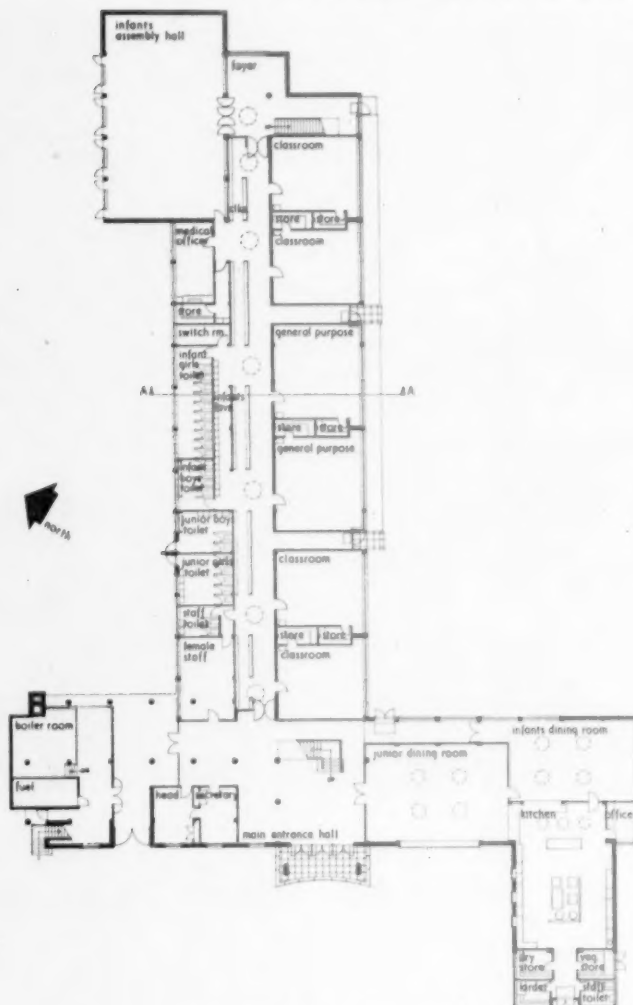
Construction

The structural system is a steel frame, concrete clad, with precast stone facings and panel walls of brick and



General Contractor**Whyatt (Builders) Ltd.**

Blinds: Tidmarsh & Sons. Boundary Fence: A. J. Binns, Ltd. Cloakroom Fittings: Parker, Winder & Achurch, Ltd. Cold Glaze: Robb's Cement Enamel Finishes, Ltd. Copper Roof: Broderick Insulated Structures, Ltd. Electrical Installation: The Beasley Electrical Contracting Co. Fibrous Plaster: Architectural Sculptures, Ltd. Garden Work: Gilliam & Co. Glazing: Leay Glazing Co. Heating Installation: Arthur Scull & Son, Ltd. Holoplast: Holoplast, Ltd. Ironmongery: James Gibbons, Ltd. Joinery: South Eastern Joinery, Ltd. Linoleum: J. H. Sankey & Son, Ltd. Metal Balustrading: Guildford Glass & Metal Works, Ltd. Metal Door and Window Frames: The Crittall Manufacturing Co., Ltd. Metal Lathing: W. H. Colt, Ltd. Morris Fencing: Bayliss Jones & Bayliss, Ltd. Painting: Arnold Sharrocks, Ltd. Plastering: Greenslade Brothers, Ltd. Plumbing Installation: J. Martin (Brockley), Ltd. Precast Artificial Stone: Wetheren Bros., Ltd. Roller Shutters: G. Brady & Co., Ltd. Sanitary Fittings: Broad & Co., Ltd. Structural Steel: Dawnsys, Ltd. Tar Paving: A. C. W. Hobman & Co., Ltd. Temperature Controls: Rheostatic Co., Ltd. Terrazzo: Malacarp Terrazzo Co., Ltd. Wall and Floor Tiling: Parkinsons Wall Tiling, Ltd. Wood Block Flooring: Horsley Smith & Co.

**GROUND FLOOR PLAN****The Joseph Tritton School, Battersea**

glass. The steel frame is supported on mass concrete *in situ* piers. The ground-floor slab and panel walls are on r.c. edge beams spanning between piers.

The ground-floor slab, generally 4in thick, but 6in thick in places, is reinforced with B.R.C. mesh. The upper floors and roof are of *in situ* hollow tile construction.

Panel walls are 13½in cavity brickwork or glass blocks.

Finishes

Floors are generally covered with linoleum on screed, with the exception of the two assembly halls which have wood block floors, and the corridors, lavatories and staircases which have coloured concrete tiles.

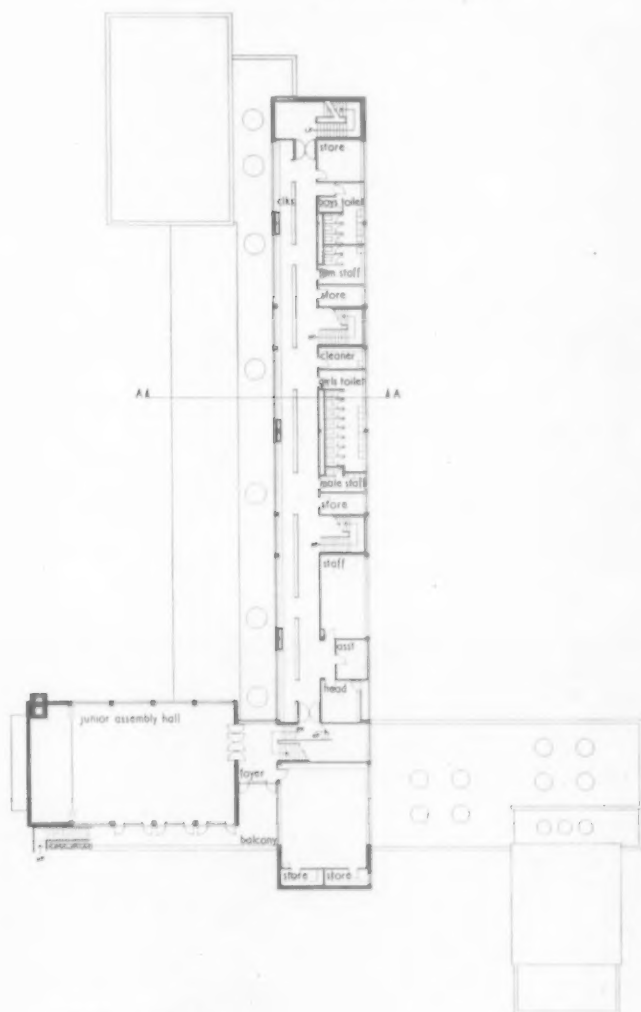
External brick facings are either buff multicoloured

or dark cut facing bricks. Internally, brick walls are plastered and distempered except in corridors and staircases where a "Tyrolean" finish is used; in the lavatories a cold glaze has been put on a cement backing. Freestanding columns are faced with terrazzo and lavatory partitions are of terrazzo slabs.

Ceilings are generally plastered directly on to the soffit of the pot floors. Exceptions are the entrance halls, Infants' assembly hall and the lavatories, all of which have suspended ceilings; the entrance hall ceiling is of fibrous plaster. Roofs are covered with two layers of natural rock asphalt laid on a 2in Vermiculite screed.

Windows are purpose-made in standard metal sections; sills are enamel tiles.

Doors and screens internally are either flush veneered



FIRST FLOOR



SECOND FLOOR

The classrooms from East

or glazed, with pressed steel frames. Cloakroom fittings are in tubular steel with hardwood slatted seats.

Services

Tungsten lighting has been used throughout. Heating, using pressed steel radiators, is a normal convector system. Hot water is supplied by hand-fired solid-fuel boilers. Cooking is by gas.

Caretaker's House

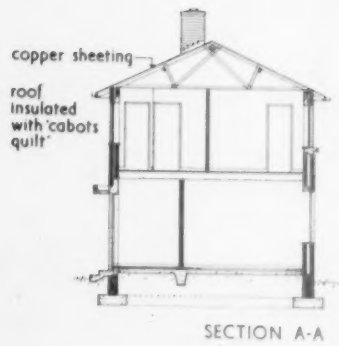
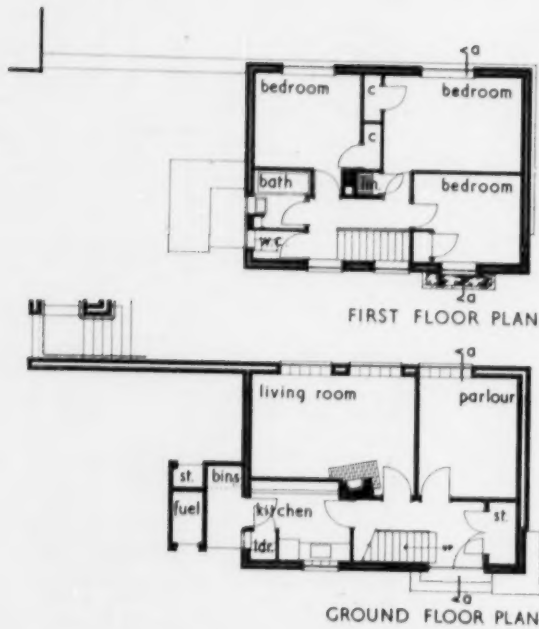
The caretaker's house is attached to the main building by a screen wall. Normal construction has been used. Walls are 11in and 13½in cavity; floors are of timber and the roof is copper sheet on timber. Windows are metal-section casements. A back-boiler in the living-room heats one radiator on the upper landing.



THE ARCHITECT and Building News, 7 January 1954
The Joseph Tritton School,
Battersea

Caretaker's House.

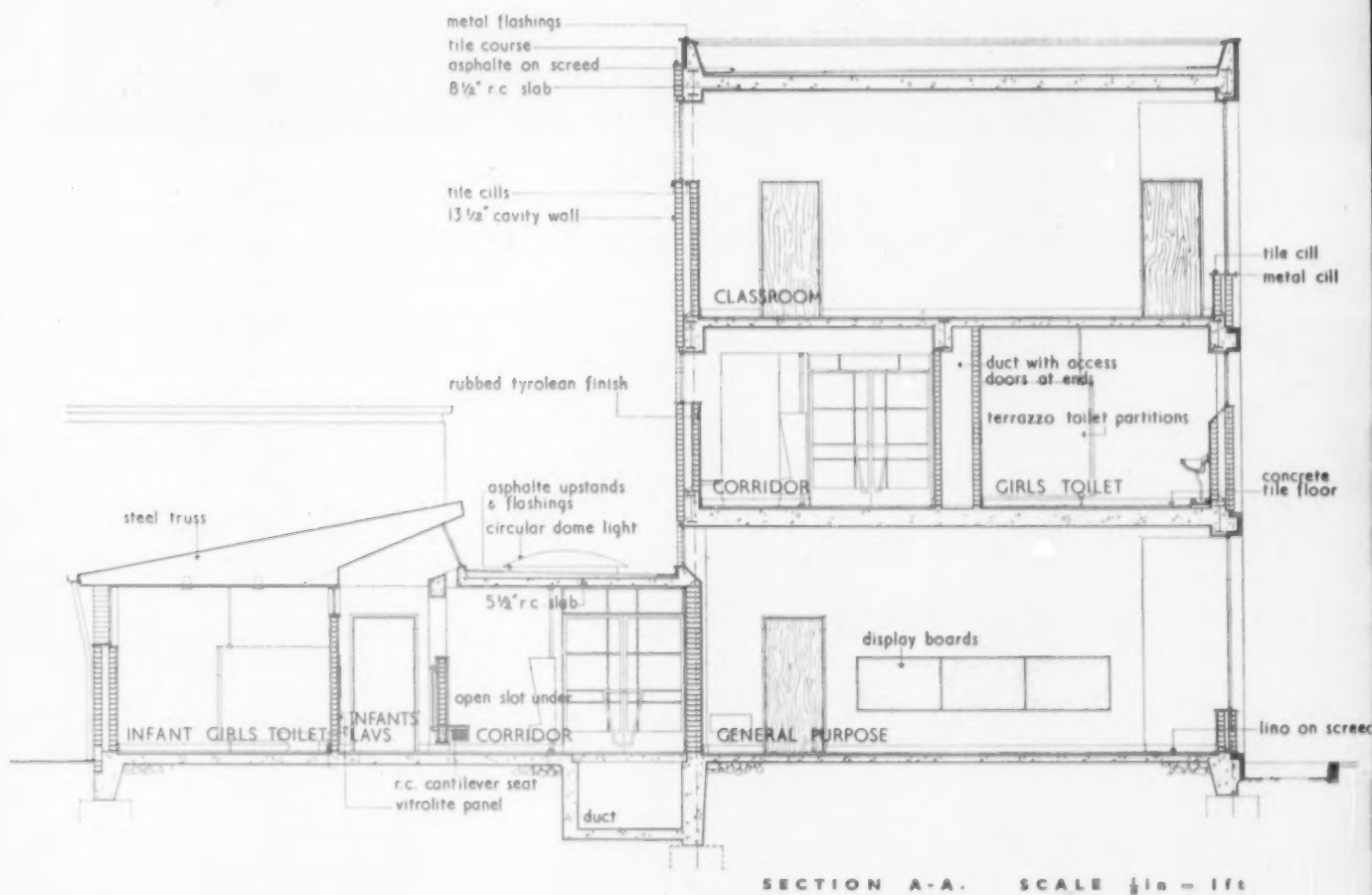
Scale $\frac{1}{16}$ in = 1 ft



On the opposite page the top two views show the main entrance hall with columns faced in terrazzo. Below them on the left is a view of a typical classroom and, on the right, Infants' lavatories and corridor. This last picture relates to part of Section A-A.



This view of the main entrance front from the North shows the caretaker's house on the extreme left.





View from South at night showing main entrance.

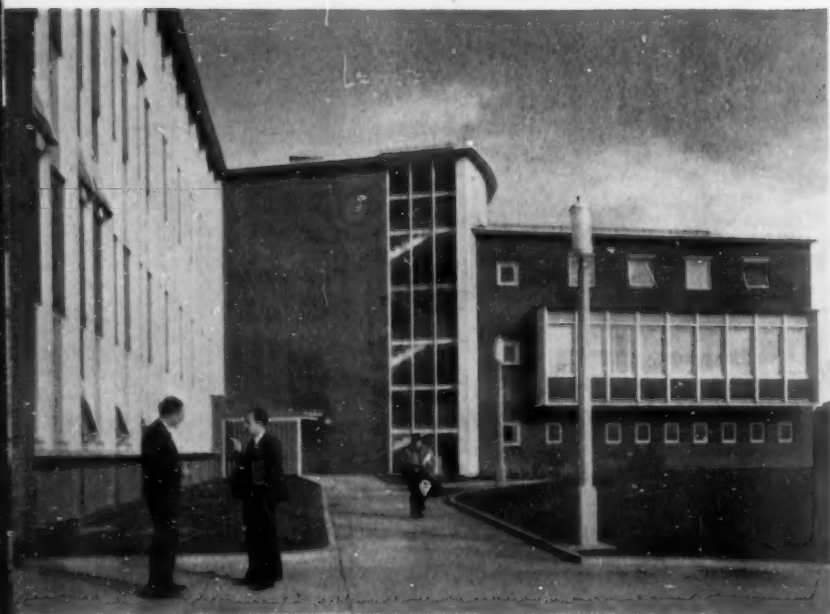
RESEARCH LABORATORY I.C.I. PLASTICS DIVISION

Welwyn Garden City

architects:

E. D. JEFFERISS MATHEWS
O.B.E., F.R.I.B.A.,

in collaboration with the
Division's Engineering Dept.



IN recent years industry and industrial research have found the need for a very great deal of flexibility in the internal arrangements of their buildings. Rapid changes which can seldom be pre-determined for any length ahead, call for buildings which are little more than uninterrupted enclosures of space into which the detailed requirements of planning can be fitted without disturbance to the

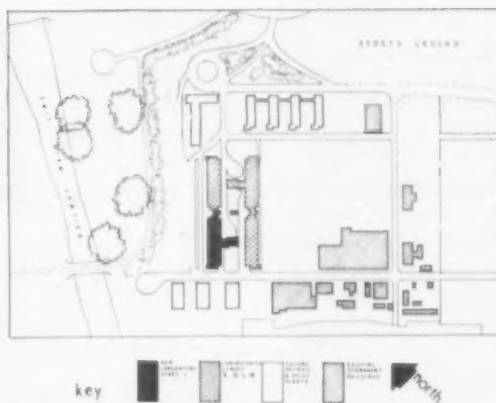
basic structural form. The Plastics Division of Imperial Chemical Industries Limited have erected on their site at Welwyn Garden City, Hertfordshire, a multi-storeyed laboratory building which provides this complete flexibility in internal planning and rearrangement.

The Problem

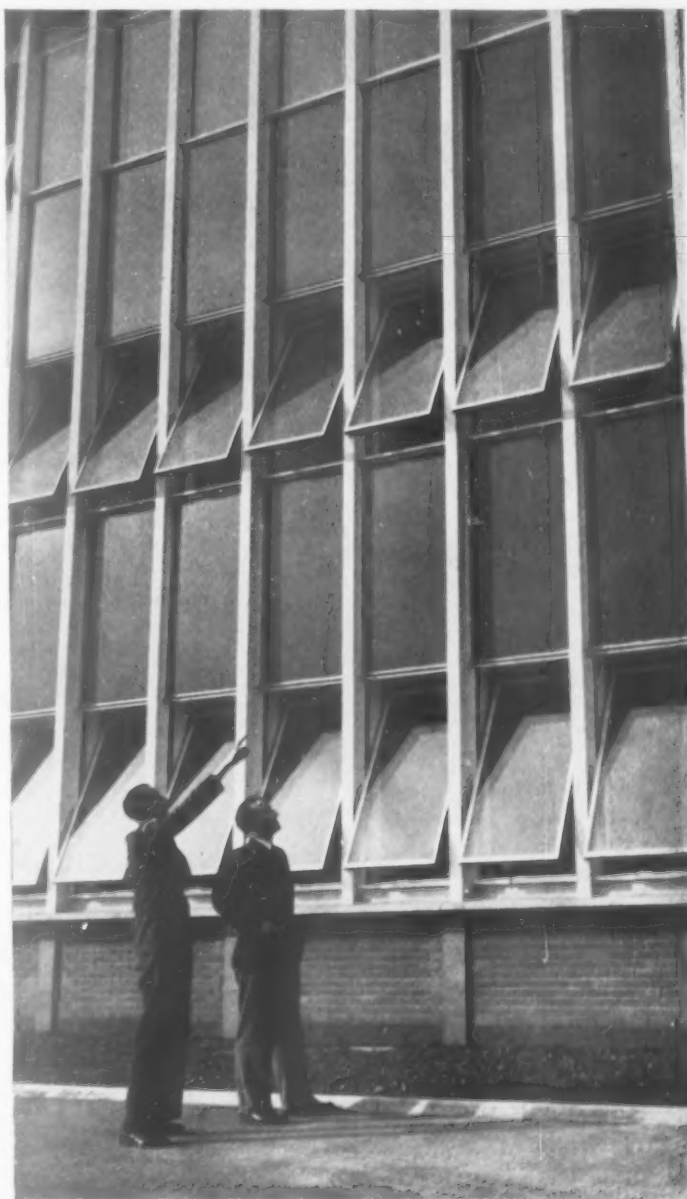
In 1948 the Division investigated the design of laboratory services and equipment in order to establish a standardized arrangement which would provide the greatest opportunity for freedom in planning laboratory layout and which would enable changes to be made with the minimum of disturbance to the users of the laboratories. The Division in collaboration with the technical staff of Messrs. Holoplast Ltd., designed and constructed a prototype laboratory.

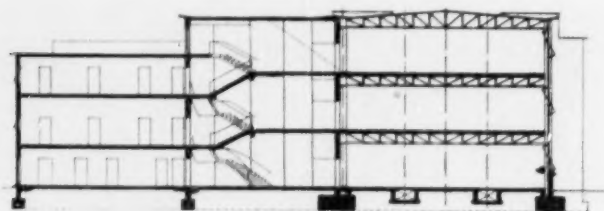
The prototype proved in working to be generally satisfactory. Valuable information was obtained which showed where improvement could be made in points of detail, particularly in the design of the service connections and in the components and finishings of the benching.

In March, 1951, the Division appointed the Architect to prepare designs for a layout for four three-storeyed laboratories, each laboratory to have an area on each floor of approximately 8,500 to 9,000 square feet, and to proceed with the detailed design and working drawings of one such laboratory block. The 4ft module of the prototype laboratory was given as the module to be used and the flexibility required was that as far as possible within any 4ft x 4ft space of the floor area the services of water, compressed air, gas, electricity, and telephones must be available, that wastes from sinks and fume extraction must similarly be provided to the 4ft x 4ft space, and that artificial illumination, ventilation and space heating must have a like degree of flexibility within the total area. Reasonable natural lighting over the whole floor area was required although a diminution of the normal daylight standards of a laboratory were accepted within the centre of the space. The design had to be such that alterations could be carried out virtually with "a spanner and a screwdriver," all builders' work of cutting away and making good, joinery adjustments and redecoration being eliminated. A high standard of both internal and external finish was required and the value obtained

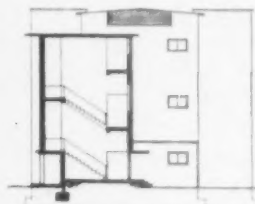


Above, the site layout. Below, Holoplast panels and Carda windows, main laboratories.

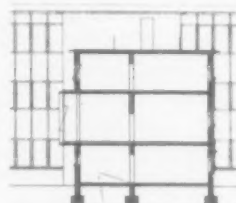




LONGITUDINAL SECTION



CROSS SECTION



CROSS SECTION

GENERAL CONTRACTORS:

HOLLAND & HANNEN
AND CUBITTS, LTD.

SUBCONTRACTORS:

Balustrades:

E. Coules & Son.

"Carda" Windows:

Holcon, Ltd.

Ceiling Panels:

Wm. Mallinson & Sons,
Ltd.

Electrical Installation:

I.C.I. Electrical Department.

Heating, Ventilation, Fume
Extract and Mechanical
Services:

Matthew Hall & Co., Ltd.

Ironmongery:

Pryke & Palmer, Ltd.

Laboratory Benching:

Norbury Joinery Co.

Lift:

The London Lift Co.

Light Fittings:

Troughton & Young, Ltd.

Mullion Casings and Duct
Covers:

Edmonton Panel Co.

Paints, Emulsions and Dis-
tempers:

I.C.I. Paints Division.

Plastic Door Furniture:

Lacrinold, Ltd.

P.V.C. Tiling:

Ballistic Trading Co., Ltd.

De La Rue.

Pre-cast Floor Units:

Atlas Stone Co., Ltd.

Roof Covering:

The Standard Flat Roofing
Co., Ltd.

Sanitary Fittings:

Pryke & Palmer, Ltd.

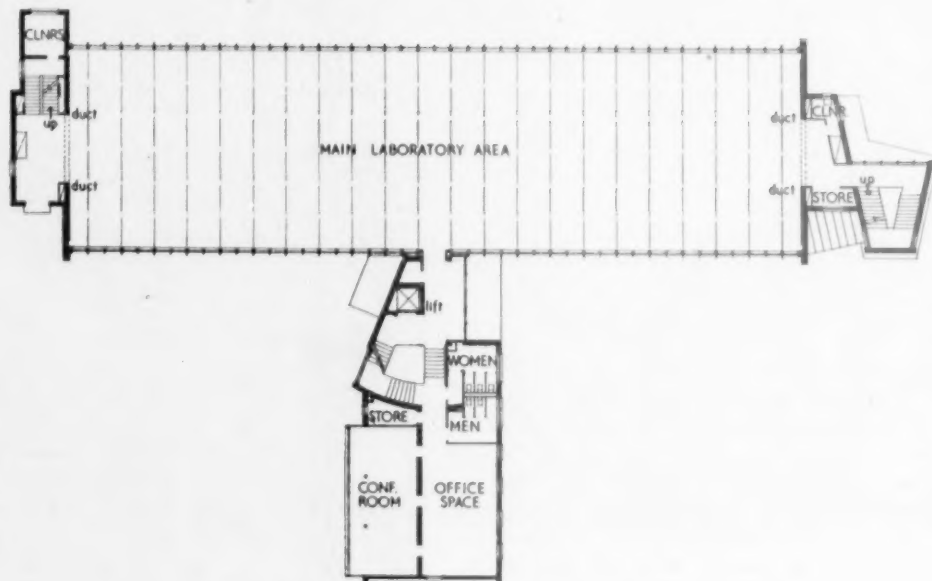
Structural Steel:

Sommerfields, Ltd.

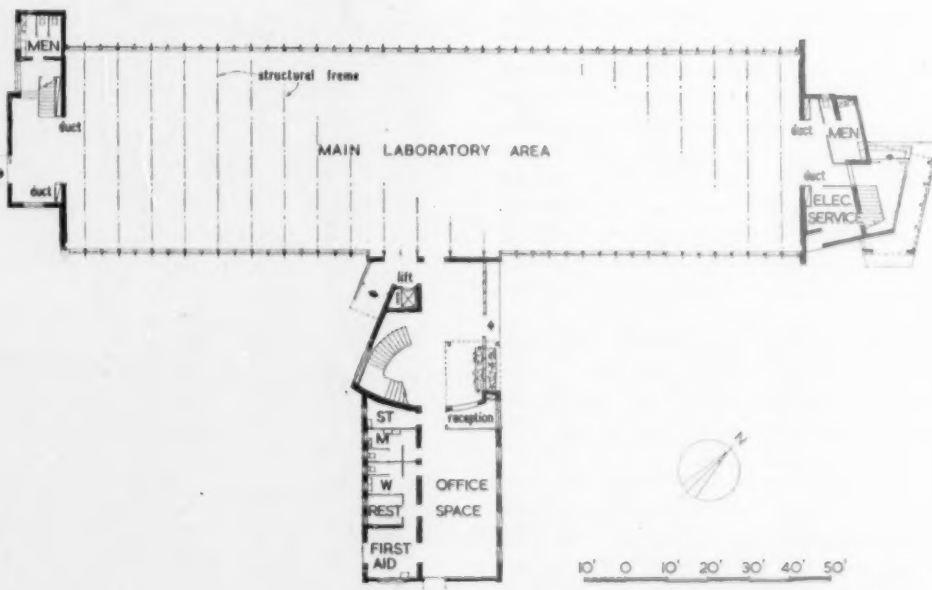
Terrazzo:

Art Pavements & Decora-
tions, Ltd.Wall Panels (external) and
Internal Partitions:

Holoplast, Ltd.



TYPICAL UPPER FLOOR



GROUND FLOOR PLAN

10' 0 10' 20' 30' 40' 50'



New Laboratory, I.C.I. Plastics Division

Continued from page 17

from pleasant and comfortable working conditions as an environment for research was given as an important aspect in the design.

Basic Design Principles

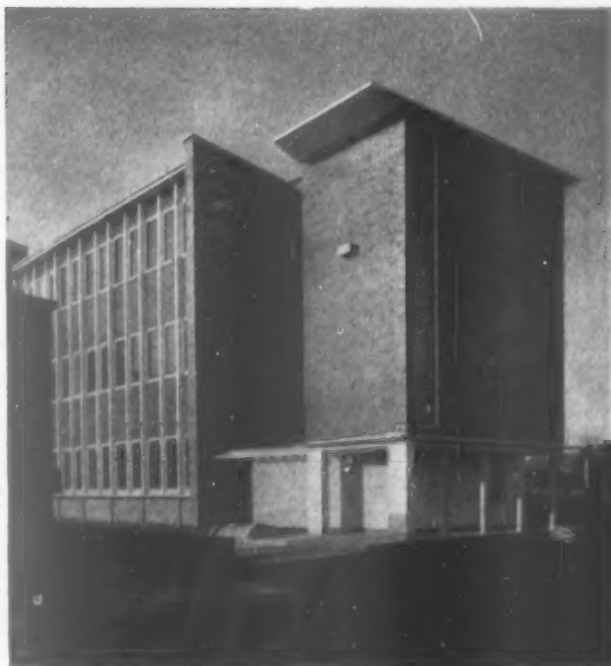
The layout design was to a large extent dictated by the site limitations and future road development. As the site plan shows, the unit if fully developed would be in the form of two "H" blocks, the vertical members of the "H" running roughly north and south forming the laboratories, the connecting bar being an administrative wing common to each pair. In the centre, ultimately to serve all four laboratory blocks, a Services Distribution building was sited. This building provides space for the break down

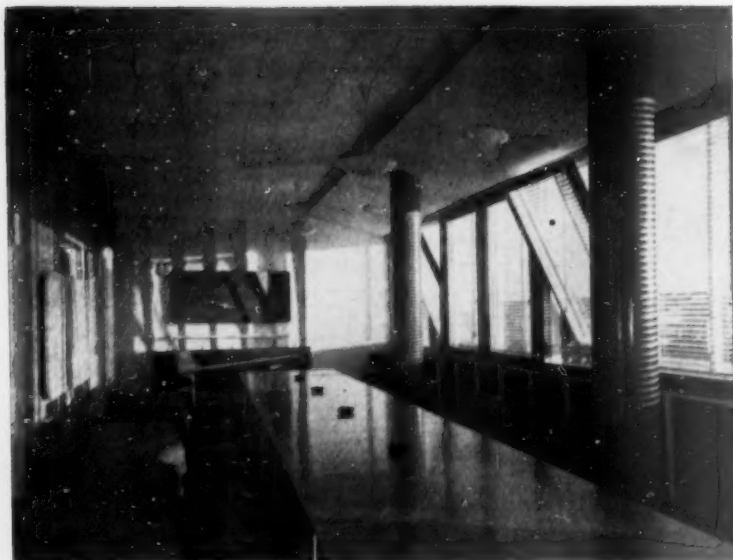
of main services electricity and high temperature high pressure hot water, to the local needs of each block. The requirements of complete flexibility in the laboratory space dictated a clear unsupported span between the perimeter walls. To achieve this span, nominally 50ft, and to provide concealed space into which service pipes and conduits could be placed required a deep beam. The whole construction was, therefore, built up on lattice steelwork so that both in beams and stanchions and wind and cross bracings there was provided plenty of free space. Furthermore it was essential that the structural framework grid coincided with the 4ft planning module to achieve simplicity for fixing.

Construction, Laboratory Block

Good bearing existed 3ft 6in below natural ground level for the mass concrete foundations along the perimeter walls. The ground floor is a reinforced concrete slab in panels broken by main and subsidiary pipe ducts. Two main ducts each 5ft 1in wide \times 3ft deep run longitudinally down the length of the block. Lateral ducts 2ft 11in wide \times 1ft 6in deep run across the building at 24ft centres. Two subsidiary longitudinal ducts along each perimeter wall measure 6in wide \times 1ft 6in deep.

Stanchions and main beams of the structural framework are placed at 8ft





New Laboratory, I.C.I.

Plastics Division

centres to relate to the 4ft module. Subsidiary lateral ties are placed at the intermediate 4ft centres between main beams.

The roof is of a low pitch design with trusses following the pattern of the beams. Between trusses 6in \times 3in steel channel purlins carry the roof of wood-wool slabs, screeded and covered with built-up bituminous felt.

The external cladding has already been described with drawing details in an article which appeared in the issue of *The Architect and Building News* of April 30, 1953. The panels are Holoplast left their natural brown colour and filled with Fibreglass. The panels are manufactured with an aluminium alloy frame to which is applied weathering members top and bottom and a rubber weathering seal all round. The panels are hung to the wind bracing of the structural steel frame by adjustable hooks fixed to the panels during manufacture. The weight of each panel is 93lb. They measure 7ft \times 3ft 5in and are 1 $\frac{7}{8}$ in thick. They are designed to allow for moisture movement. The remainder of the facade is "clad" by double glazed "Carda" windows, one to each 4ft module.

Vertical pipe ducts occupy the alternate module dimensions to the stanchions. Both stanchions and vertical pipe duct cases, internally and externally, are formed in metal-faced plywood to give the same appearance. Holoplast partitions have been used throughout, because they may be easily dismantled and re-erected. Each panel has a light aluminium frame.

Access to the main services running in the depth of floor beams is from the ceiling. Ceilings have panels related to the modular



On left, reading down:—

Conference Room

Entrance Hall and Staircase

Main Entrance

lines with nominal dimensions of 3ft 10in square. They are composed of a 1½in cork slab sandwiched between sheets of aluminium. The underside sheet is perforated for sound absorption. Each panel weighs 29lb and is fixed by a four point suspension method from steel brackets secured to the structural steelwork. The space between panels is left for receiving the top of demountable partitions. This space is covered with an aluminium covered laminated timber strip when not occupied by partition. Ceilings are painted white with a flat finish. This ceiling arrangement permits panels to be removed without disturbance to the partitioning.

Standard cupboards and drawer units are ½in less than 4ft long by 1ft 9in deep and are supplied with bench tops of hardwood applied to Holoplast.

The quantity surveyor was R. E. N. Lowe; A. C. Aston was Consulting Engineer and Messrs. Sommerfields were designers and fabricators of the steel frame.



Typical Laboratory



Unit removed for access to services

Main laboratory block from West



Prototype Houses Using Bellrock Panels



Top. Pouring joints in party wall panels.

Below. Sealing joints in panels prior to pouring.

A NEW factory for the manufacture of Bellrock panels was opened at Peckham, London, S.E.15, in December last. The factory is for John Kent (London) Ltd. (a subsidiary of F. Troy and Co. Ltd.) who are manufacturing Bellrock Gypsum panels under licence.

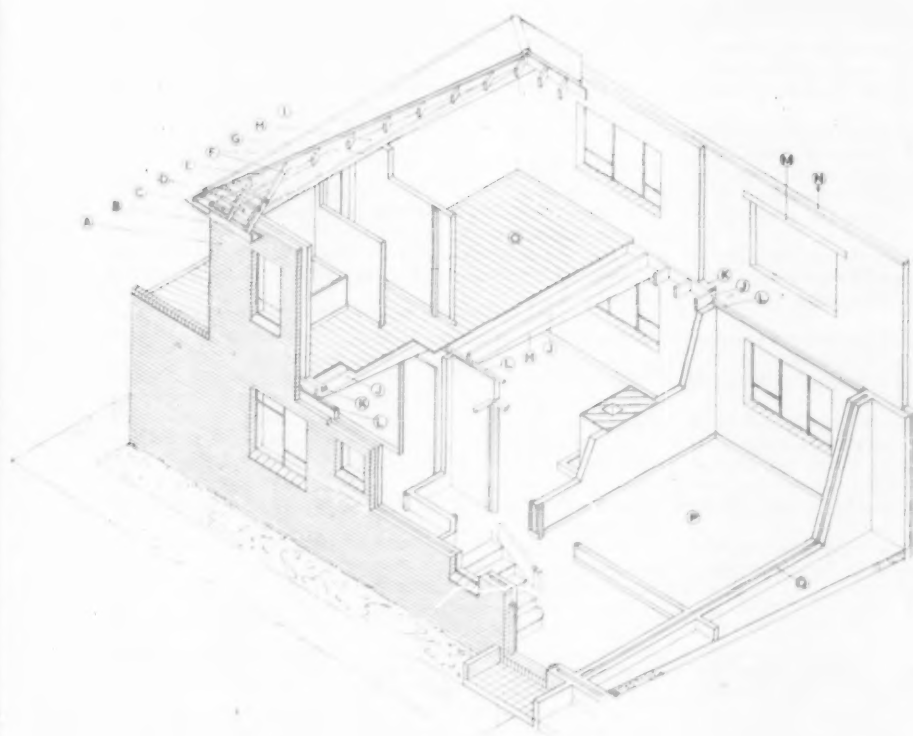
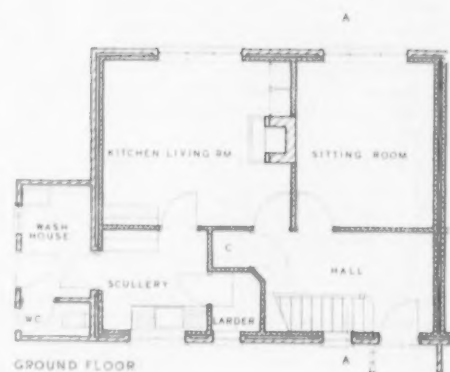
After some test loading and research into the use of Bellrock panels in a series of experimental buildings, a pair of prototype houses have been erected with a view to testing to the full a form of construction making use of Bellrock Gypsum panels. These prototype houses are illustrated in this article. The construction consists of 10½ in cavity walls, the inner skin of which together with the internal partitions are formed of Bellrock Gypsum panels. Floor joists and floors, together with all upstairs partitions, are carried on this inner skin, and the roof load is carried on the brick outer skin of the cavity wall which is tied to the Gypsum inner skin with standard metal ties. The roof is of traditional construction and tiled.

In order to use to full advantage the 4 in planning grid on which the houses were designed, it was decided that instead of erecting the brickwork first and building the partitions inside it, the process should be reversed. The cavity wall inner skin and cross partitions were therefore erected together. The brickwork followed on after the inner skin and partitions had reached first floor height.

Prototypes generally cost a lot of money, and wastage of man hours is inevitable. Therefore no serious attempt was made to beat any time records held for building traditional houses, but from start to finish these houses have taken exactly eight weeks to complete, including all site works. The average labour force employed was nine men working a 50-hour week.

Certain problems were encountered with bonding of brickwork in small panels between windows, but these can be overcome with careful study of joint tolerances, or the introduction of bricks of suitable dimensions for use with a 4 in planning grid. The most important factor of this type of construction is the elimination of wet processes on the site. Conduits and pipes can be concealed in the Gypsum wall panels without any cutting away or making good.

Load-bearing tests carried out on walls are stated to have shown that Bellrock Gypsum panels jointed with ordinary plaster and tied to the brick outer skin will take loads well in excess of 4½ tons per foot run.



ISOMETRIC DRAWING OF CONSTRUCTION.

THE INNER SKIN OF EXTERNAL WALLS AND ALL INTERNAL PARTITIONS ARE CONSTRUCTED OF 'BELLROCK' PANELS

- A 46" FACING BRICK
- B FASCIA BOARD
- C ASBESTOS GUTTERS
- D TILE BATTENS
- E HIP RAFTER
- F ROOF RAFTERS
- G CEILING JOISTS
- H RECESSED EDGE PLASTER BOARD
- I CONCRETE TILES
- J FLOOR JOISTS
- K TIMBER PLATE
- L RS TEE
- M RS ANGLE
- N TIMBER ROOF PLATE
- O T & G FLOOR BOARDS
- P LINSITU FLOOR COVERING
- Q PARTY WALL

ROYAL INSTITUTE OF BRITISH ARCHITECTS

Conditions of Engagement and Scale of Professional Charges

At their meeting on December 8, 1953, the R.I.B.A. Council approved a number of recommendations of the Practice Committee in regard to an overall revision of the R.I.B.A. Scale of Professional Charges. The booklet is in future to be entitled "Conditions of Engagement and Scale of Professional Charges" and the revised Conditions and Scale are set out below. It should be noted that the application of the surcharge on final accounts for fees not exceeding £1,150 will be discontinued from the date on which the revised Scale comes into force.

In accordance with the provisions of Byelaw 38, the Council give notice that the revised Conditions of Engagement and Scale of Professional Charges will be confirmed by them at their meeting on February 2, 1954, subject to the consideration of any comments or criticisms which may be received from members. Such comments or criticisms are required in accordance with the above-mentioned Byelaw to be submitted within one month from the date of issue of this Journal.

Conditions of Engagement

1. (a) Members of the R.I.B.A. are governed by the Charters, byelaws and Code of Professional Conduct of the Royal Institute.

(b) The Architect shall give such periodical supervision and inspection as may be necessary to ensure that the works are being executed in general accordance with the contract; constant supervision does not form part of the duties undertaken by him.

(c) In cases where constant superintendence is required a Clerk of Works shall be employed for this purpose. He shall be nominated or approved by the Architect, and appointed and paid by the Client. He shall be under the Architect's direction and control.

(d) The Architect shall not make any material deviation, alteration, addition to or omission from the approved design without the knowledge and consent of the Client.

(e) The Architect has authority to give orders on behalf of the Client if such are necessitated by constructional emergencies, provided that the Client shall be immediately notified thereof.

(f) The Architect shall, if requested to do so, at the completion of the work, supply free of charge to the Client, drawings sufficient to show the main lines of drainage and other essential services. Copyright in all drawings and in the work executed from them will remain the property of the Architect.

(g) The following Architects' charges do not include for Surveyors' work for which see clauses 13 to 18 which are those of the Royal Institution of Chartered Surveyors adopted by the R.I.B.A.

(h) The employment of Consultants shall be at the Architect's discretion in agreement with the Client and the payment of their fees shall be a matter of arrangement between Architect and Client.

Where it is agreed to retain the services of a Consultant in no case shall the Architect's fee be reduced by more than one-third on the cost of the work upon which the services of the Consultant are retained, provided always that the Architect's fee on the cost of the whole scheme shall not be reduced by more than one-sixth.

(i) An engagement entered into between the Architect and the Client may be terminated at any time by either party upon reasonable notice being given.

Scale of Charges**2. New Works**

For taking the Client's instructions, preparing sketch design, making approximate estimate of cost by cubic measurement or otherwise, preparing working drawings, specification, or such particulars as may be necessary for the preparation of bills of quantities by an independent Quantity Surveyor, or for the purpose of obtaining tenders, advising on tenders and

preparation of contract, nominating and instructing Consultants (if any), furnishing to the Contractor two copies of the contract drawings, specification, or other particulars and such further details as are necessary for the proper carrying out of the works, general supervision as defined in the Conditions of Engagement, issuing certificates for payment, and certifying accounts in respect of new works, exclusive of the services enumerated in Clauses 6 and 16, the charge is to be a percentage on the total cost of all executed works as follows:—

(a) If the cost of the executed works exceeds £4,000 the percentage is 6 per cent.

(b) If the cost of the executed works does not exceed £4,000 the percentage is 10 per cent in the case of works costing £200 graduated to 6 per cent in the case of works costing £4,000.

(c) When work is executed wholly or in part with old materials, or where material, labour or carriage is provided by the Client, the percentage shall be calculated as if the works had been executed wholly by the Contractor supplying all labour and materials.

(d) In addition to a percentage on the total cost of executed works, the Architect is entitled to charge in respect of all works included in the tenders, but subsequently omitted, two-thirds of the charge which would have been payable had they been executed.

3. Variations of Charges

The Scale of Charges may be varied by prior written agreement between Client and Architect in respect of the following:—

(a) *Repetitive Works.* In the case of extensive works of a simple repetitive character, the charge may be reduced by one-sixth.

(b) *Works to Existing Buildings.* In the case of works to existing buildings a higher percentage is chargeable, not exceeding twice the amount payable under the Scale for new works of the same cost, and depending upon the intricacy of the work involved.

(c) *Other Works.* In works in which designs for fittings, furniture, decorations or garden work are main features, special fees adequate to the circumstances are chargeable.

4. Partial Services

In cases where the Architect performs partial services for any reason, including the abandonment, deferment, substitution or omission of any project and/or works, or part thereof, or if the services of the Architect are terminated, the charges in respect of the services performed are as follows:—

(a) For taking Client's instructions and preparing preliminary sketch plans to illustrate possibilities of a site or cost of a scheme the charge is on "quantum meruit."

(b) For taking Client's instructions, preparing sketch design sufficient to indicate the Architect's interpretation of the Client's instructions (but not in detail adequate to enable bills of quantities to be prepared), and making approximate estimate of cost, the charge is on "quantum meruit" and shall not exceed one-sixth of the percentage due under Clause 2 or 3 (as the case may be) on the estimated cost of such works.

(c) For taking Client's instructions, preparing sketch design, making approximate estimate of cost by cubic measurement or otherwise, and preparing working drawings, specification, or such particulars as may be necessary for the preparation of bills of quantities by an independent Quantity Surveyor, or for the purpose of obtaining tenders, the charge is two-thirds of the percentage due under Clause 2 or 3 (as the case may be) on the estimated cost of such works.

(d) If the project is abandoned during the preparation of the working drawings, the charge is two-thirds of the appropriate percentage on the estimated cost of such works less a "quantum meruit" charge for bringing the working draw-

(Continued on page 25)

THE COLD STAYS OUT — THE HEAT STAYS IN



Here's the secret

The "INSULIGHT" Double-Glazing Unit is a thermal insulator as well as a window. It comprises two panes of glass separated by a hermetically sealed 'dry air' cell. Heat normally lost by conduction through windows can be cut by as much as 50% by the use of these units. And the results?—lower fuel bills, or alternatively, larger windows, with added comfort.

'INSULIGHT'

double - glazing units

Consult the Technical Sales and Service Department at St. Helens, Lancs, or Selwyn House, Cleveland Row, St. James's, S.W.1. Telephones: St. Helens 4001; Whitehall 5672-6. Supplies are available through the usual trade channels. "INSULIGHT" is the British registered trade mark of Pilkington Brothers Ltd.

SPECIAL NOTE

Make sure that your frames are of sufficient width. Details can readily be obtained from Pilkington Brothers Ltd., or your window frame manufacturer.

"INSULIGHT" Double-Glazing Units are relatively less expensive when bought in large pane sizes.

PILKINGTON BROTHERS LIMITED

ST. HELENS, LANCs.





Reduce this overhead cost...



Switch to
**Crompton
Lamps**
- for LIFE

EVERY time a lamp fails it means a hitch in the smooth running of office or works—a 'phone call to bring the electrician—remember his time costs money, too.

Reduce this overhead cost by fitting Crompton lamps at every point. They give long life as well as high lighting efficiency. They help to cut down your overheads.

The reliability and performance of Crompton Fluorescent Tubes throughout life is constantly improving—efficiencies of 80 watt Daylight and Warm White Tubes are now up by 12½ per cent.

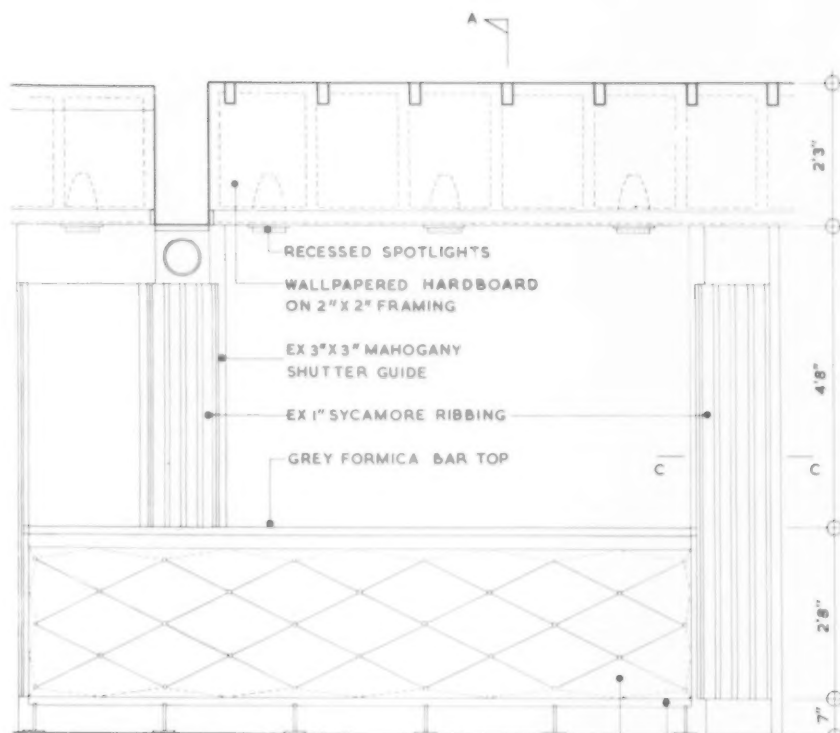
Crompton Parkinson
LIMITED

CROMPTON HOUSE, ALDWYCH, LONDON, W.C.2
Telephone: CHAncery 3333

Telegrams: Crompton, Etrand, London

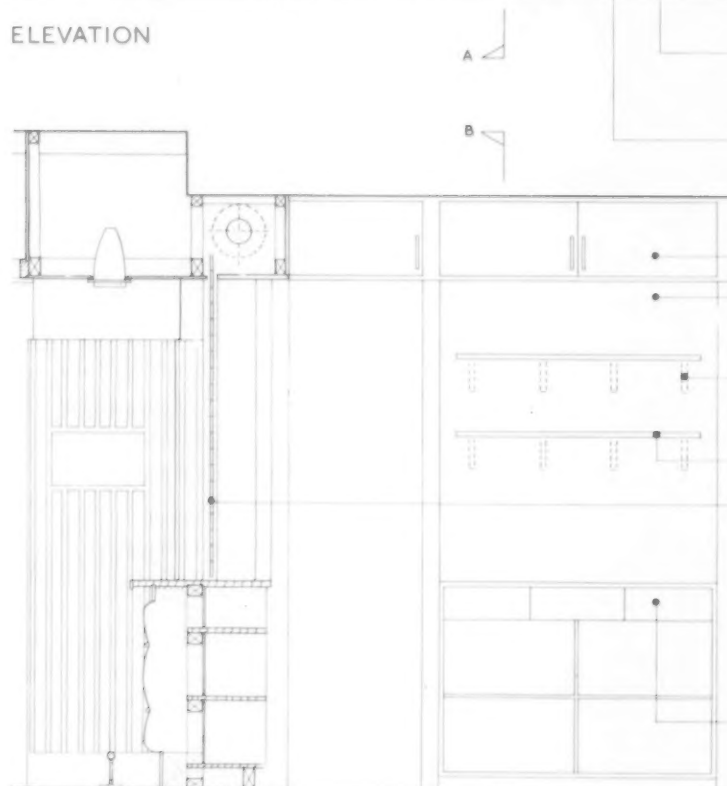
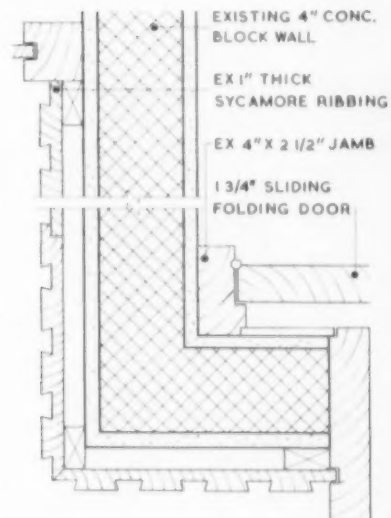


ELECTRICAL EQUIPMEN



ELEVATION

DETAIL AT C-C
SCALE: 1 1/2\" = 1'0"



SECTION A-A

SCALES: 3/8\" = 1'0\" & 1\" = 1'0"

1 1/2\" ϕ BRASS
FOOTRAIL ON 4\" ϕ
PLATE SCREWED TO FLOOR

DARK BLUE LEATHER
QUILTED FACING SECURED
WITH WHITE 'GOLF BALL'
CAST STUDS

3/4\" BLOCKBOARD DOORS
OVER FUSES & METERS
MIRROR

1/16\" FORMICA
6\"X6\" METAL BRACKET
CHASED INTO UNDERSIDE
OF SHELF & BATTENS
BEHIND MIRROR

6\"X1\" SYCAMORE SHELF

MAHOGANY ROLLING SHUTTER

1/16\" GREY FORMICA

1\" BLOCKBOARD

1/2\" FALSE BACK

EX 6\"X2 1/2\" HARDWOOD

FORMICA FACING
TO CASH DRAWER

1/8\" LINOLEUM

3/4\" BLOCKBOARD

1/4\" WOOD FILLET

EX 4\"X2\" WROT FACE

SECTION B-B



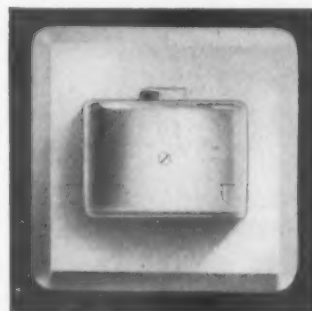
ALTERATIONS TO TREVOSE GOLF CLUB, CORNWALL

ARCHITECT: MICHAEL LYELL



Dignity

If you prefer contemporary furnishings, or if your taste is for the more gracious period styles you cannot fail to appreciate Ediswan Surrey switches. These attractive switches with their unique switch-action prove that efficiency can be combined with good design for use in any setting; yet they cost no more than ordinary switches. Send now for a catalogue and sample switch, then specify Surrey for all your switch requirements.



EDISWAN

RANGE OF

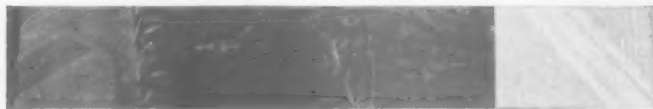
ELECTRICAL ACCESSORIES

A catalogue and price list of the complete range of Ediswan electrical accessories is available on request.

THE EDISON SWAN ELECTRIC COMPANY LIMITED

155 Charing Cross Road, London, W.C.2,
and branches

Member of the A.E.I. Group of Companies



E30

AT LAST! *Limousine Brilliance* *
IN A DECORATIVE FINISH



The reinforcement of alkyd resins with styrene gives the new Bergermaster :—

- Higher gloss—longer gloss retention
- Greater durability
- Easier application
- And all those other plus qualities which this advance in paint technology (an advance as great as that of alkyds over the old gloss paints) entitles you to expect

* Now Bergermaster is on the same chemical basis as that in Berger car finishes used extensively by leading motor car manufacturers.



—thanks to the NEW and IMPROVED
BERGERMASTER GLOSS ENAMEL

Manufactured in accordance with British Patents 573809, 573825, 580912 and other British, Dominion and Foreign Patents pending or granted.

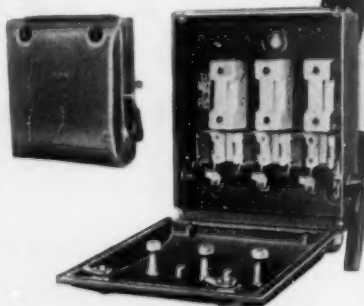
LEWIS BERGER (GT. BRITAIN) LIMITED, DEPT. (AB), BERGER HOUSE, BERKELEY SQ., LONDON, W.1.

38/21

have you looked yet?

THE M.W. RANGE Are you aware of the many important features of the M.W. Range of Switchgear? Take switch fuses for example. Do you know the six vital points to look for in a good switch fuse? This information is given in the above publication. If you have not received your copy please let us know so that we may send you one now.

The M.W. Range of Switch Fuses includes Double Pole, Double Pole with Single Pole fuse, Triple Pole, Triple Pole and Neutral, each series being available from stock for 15, 30, 60 and 100 amperes rating. Either cartridge fuse links (H.R.C.) or semi-enclosed (rewirable) type fuses can be used.



...let's look inside...



G.E.C.

THE GENERAL ELECTRIC CO. LTD., MAGNET HOUSE, KINGSWAY, LONDON, W.C.2

CONDITIONS OF ENGAGEMENT AND
SCALE OF PROFESSIONAL CHARGES

ings and other particulars up to the stage defined in Clause 4 (c).

(e) In all cases where fees are assessed on the basis of "quantum meruit" regard must be had to all relevant factors including the time occupied and the character and intricacy of the work.

5. Mode and Time of Payment

The Architect is entitled to payment in stages as follows:—

(a) On the completion of sketch plans one-sixth of the total fees payable.

(b) During the preparation of working drawings and other particulars instalments consistent with the amount of work completed by the Architect.

(c) On completion of the said working drawings and other particulars, two-thirds of the total fees payable less the amount of any payments already received by the Architect pursuant to sub-clauses 5 (a) and 5 (b).

(d) The remaining one-third of the total fees to be paid by instalments as the building work proceeds consistent with the value of the said building work completed from time to time.

6. Services not included in the Scale

Charges shall be payable in respect of any additional services involved in:—

(a) Advising as to the selection and suitability of sites. Negotiating as to sites or buildings, surveying sites or buildings and taking levels and making surveys, measurements and plans of existing buildings.

(b) Preparing drawings in addition to working drawings for the use of the Client, and drawings for and negotiating with ground landlords, adjoining owners, public authorities, licensing authorities or others.

(c) Preparing varied working drawings to give effect to alterations of the Client's instructions affecting matters of detail after the completion of the working drawings.

(d) Negotiating building or other licences, making town planning, byelaw or other applications, and negotiations in connection with Party Walls, Rights of Light and other easements, reservations or restrictions.

(e) Litigation, arbitration or valuation.

(f) Changes in design or delay in building operations due to causes outside the control of the Architect.

7. Surveys

For making inspection, preparing reports or giving advice on the structural or sanitary condition of premises, the charge is on "quantum meruit" in accordance with Clause 4 (e).

8. Litigation and Arbitration

For qualifying to give evidence, settling proofs, conferences with Solicitors and Counsel, attendance in Court or before Arbitrations or other tribunals, and for services in connection with litigation, the charge is based upon the time occupied, but is in no case to be less than 10 guineas per day.

Architects acting as Arbitrators are recommended to base their charges upon the total time occupied in dealing with a case at the rate of 3 guineas an hour exclusive of out-of-pocket expenses and other disbursements.

9. Dilapidations

For preparing schedule and settling the amount if required, the charge is 5 guineas per cent on the amount of the settlement, or on the estimated cost of complying with the Schedule. (Minimum fee, 5 guineas.)

10. Travelling Time

An additional charge may be made if the work should be at such a distance as to lead to an exceptional expenditure of time in travelling.

11. Time Charges

In cases in which charges are based upon time occupied the minimum fee is 1½ guineas per hour exclusive of charges for Assistants' time. The minimum charge per hour for a Senior Assistant's time shall be 1 guinea, and for a Junior Assistant's time ½ guinea.

12. Expenses

Fees, in all cases, are exclusive of the cost of appliances, extra copies of drawings and documents, lithography, travelling and hotel expenses and all other reasonable disbursements, which are to be charged in addition to fees.

NOTE: The following Clauses are in accordance with the Schedule of Professional Charges of the Royal Institution of Chartered Surveyors and are adopted by the Royal Institute of British Architects.

13. For Approving Plans Submitted by Lessees and Inspecting Buildings During Progress

(Clause 9 of existing Scale to be revised as follows to accord with the latest issue of the R.I.C.S. Schedule of Professional Charges.)

On the first	£500	....	2 guineas per cent
" next	£1,500	....	1½ " "
" " £18,000	....	1 guinea	" "
" " £80,000	....	½ " "	" "
" residue	.....	¼ " "	" "

(Minimum fee, 4 guineas.)

Note: This scale is intended to apply to normal cases. It should be applied with discretion and may be varied in either direction to meet exceptional circumstances.

14. The Laying Out or Development of Estates

(As Clause 10 (a) of existing Scale.)

15. For Land Surveying and the Preparation of Plans and Maps

(As Clause 10 (b) of existing Scale.)

16. Preparing Bills of Quantities and Valuing Work Executed

(Clause 11 of existing Scale to be revised by the inclusion of the following paragraph under Sections I and II to accord with the latest issue of the R.I.C.S. Schedule of Professional Charges.) "For adjusting variations of price under any fluctuation of price (labour and materials) clauses of the contract: 2½ per cent upon the aggregate of the amount of the increases and/or decreases."

17. Valuation of Freehold or Leasehold Properties

(As Clause 12 of existing Scale.)

18. Work under the Lands Clauses Consolidation Act or other Acts for the Compulsory Acquisition of Property

(As Clause 13 of existing Scale.)

NOTE: Attention is drawn to the Schedule of Professional Charges issued by the Town Planning Institute which covers fees for Town Planning work.

Report of Committee on Private Architectural Practice by Unqualified Persons

AT the desire of the Allied Societies' Conference, the R.I.B.A. Council at their meeting on January 6, 1953, appointed a Committee to consider the problems of the infringement upon private architectural practice by unqualified persons and to make such recommendations as to action that they might think appropriate. Membership of the Committee was drawn exclusively from members of the Council, and included a Vice-President as Chairman, the Chairman of the Allied Societies' Conference, the Honorary Secretary and Honorary Treasurer, R.I.B.A., the Presidents of five Allied Societies and three senior Official Architects.

After a number of meetings and the consideration of a considerable volume of written evidence, the Committee submitted their report to the Council and made a number of recommendations. The Council then referred the report and recommendations to the various standing Committees of the Institute who were concerned. At their meeting on December 8, 1953, the Council reviewed the whole matter in the light of observations made by those Committees.

The text of the report submitted by the Committee to the Council is printed below, together with a summary of the recommendations considered by the Council and some

notes on the Council's decisions and the action taken or in the process of being taken.

Report of the Committee

1. Definition of Unqualified Persons

There are many persons not registered as architects who earn their living by professional practice of a nature akin to architecture. At one end of the scale there is the chartered surveyor of long experience who concerns himself with war damage reinstatement and similar work which might be described as surveying; at the other end of the scale is the individual with no pretensions to qualifications who prepares a plan in his spare time for a nominal sum. For the purposes of their inquiry, therefore, the Committee had some difficulty in formulating a definition of unqualified persons, and equally in drawing a clear line of demarcation between architectural and surveying work. They did not regard it as part of their duty to consider the first class of persons described above, except in so far as they will be concerned in the event of any extension to the Architects' (Registration) Acts. This matter is dealt with in paragraph 3 below. The Committee agreed that for general application to their inquiry the definition of unqualified persons should be those not registered or not having passed the Final or one of the exempting Examinations.

2. Spare Time Private Practice by Architects in Salaried Employment

This matter again was not directly within the terms of the Committee's reference, though they thought it appropriate to recall the resolution passed by the Council at their meeting on January 13, 1948, approving the Joint Report of the Practice and Salaried and Official Architects' Committees on this matter.

The gist of it was that it was for the employing authority, rather than the R.I.B.A., to determine whether or not employees might undertake spare time work. Where they were allowed to, attention was to be drawn to the necessity of complying strictly with Clauses 4 and 5 of the Code of Professional Conduct, i.e. those clauses governing the nature of the activities which a member might undertake. A statement to this effect was published in the Journal for February, 1948. Arising from that resolution, a further amendment was made to the Code of Professional Conduct, Clause 12 of which now reads:—

"A member or Student employed as a full-time salaried and official architect by a central or local government department or by a statutory undertaking, and who is by reason of his office in a position to grant or influence the granting of any form of statutory or other approval, must not undertake private work notwithstanding any permission from his employing authority to do so, unless he is satisfied that his position and action in the matter will be free from any suspicion or suggestion of abuse."

The Committee suggest that the general considerations discussed above apply equally to a salaried architect working for a principal in private practice. The decision as to undertaking work in his spare time must be a matter between himself and his principal.

3. Extension of the Architects' (Registration) Acts

The Committee have considered a number of letters from both Allied Societies, Branches and Chapters, and individual members advocating an extension of the Registration Acts designed to restrict the right to submit plans to registered architects. The Royal Institute's policy in regard to the Registration Acts is continuously under review by the Executive Committee and Council, and was discussed very fully at the Joint Meeting of the Council and Allied Societies' Conference held in November, 1952. In the five years preceding that meeting it had been discussed on five occasions by the Allied Societies' Conference, as well as by the Executive Committee and Council.

The Committee have reviewed the various factors which must be taken into consideration in this matter. These are, broadly, the reactions of the public at large to any such legislation, the attitude of Parliament itself, and the degree of support that might be forthcoming from kindred professions. The Committee are satisfied that a great deal more preparatory work is yet necessary, especially in bringing the

public to appreciate the advantages to be obtained by the employment of fully qualified architects.

Much the same arguments apply to the suggestion that an attempt should be made to persuade local authorities to withhold approval from plans unless they have been prepared by architects. The Committee are advised that no statutory powers at present exist for such an action.

4. Action Practicable in the Immediate Future

Much useful work can be done in the immediate future under two main headings: (a) action to restrict the activities of the "quack" practitioner (i.e. the man with no pretensions to architectural qualifications or experience who prepares plans for small projects at cut fees. The experienced surveyor or civil engineer working in his own special sphere is, of course, not included in this definition); and (b) action to bring more widely to the knowledge of the public the services provided by architects. The two headings are inter-related, since a greater appreciation of the full value in time and money derived from employing an architect will go far towards curtailing the activities of the quack.

5. Submission of Plans by Unqualified Persons

The Committee have evidence that the volume of such work is appreciable, varying between as much as 50 per cent of all plans submitted to local authorities in rural areas, down to perhaps 10 per cent in the bigger urban areas. It seems that though the number of submissions is considerable, the size of individual projects is small.

There are complaints from planning officers of the proportion of such plans which are unsatisfactory and need amendment or even complete revision, and much may be done if the client concerned is advised to have his rejected plans recast by a competent architect. The matter might be discussed at national level with the Government Departments concerned, and it might be suggested to panels, through the Central Panels Committee, C.P.R.E., that they should reject unsatisfactory plans adding advice to the client to consult an architect rather than themselves attempt to amend them. Much more can be done at regional and local levels. Allied Societies, Branches and Chapters should make every endeavour to persuade local planning officers of the inadvisability of wasting the time of official staff in revising unsatisfactory plans. They should make available to such officers the names and addresses of architects in the neighbourhood and suggest that clients should be told to consult one with a view to getting the plans revised. Copies of the pamphlet "Before You Build" should be available for handing to such clients.

The Committee have also considered an instance in which a member was approached by an unqualified person to revise an unsatisfactory plan and sponsor it for approval by a local authority, but to have no responsibility beyond this. Such an action is to be deprecated as an encouragement of the activities which the Royal Institute wishes to suppress, and members should be advised of this view.

6. Encouragement of the Employment of Architects

A wide field exists for increased endeavour in public relations work, by enlisting the aid of the Press, by exhibitions and by contacts with those in positions to influence the employment of architects on both public and private work. The R.I.B.A. can do and does much at a national level in regard to the national Press and broadcasting, and is in constant touch with the departments of State concerned with building, but it cannot deal effectively with the local Press or directly with the numerous local authorities and private bodies concerned with building. The latter action must be taken by Allied Societies, Branches and Chapters.

7. Intensification of Public Relations Work at all Levels

The Committee are convinced that public relations activities are most fruitful when carried out at regional and local levels. As stated in paragraph 6, the Royal Institute cannot reach the local Press or local bodies, but Allied Societies, Branches and Chapters can achieve this both corporately and by individual contacts. The Committee learn that the response to the meeting convened by the Council in November, 1951, to discuss public relations work has fallen short of expectations, and they stress the

importance of the appointment of officers in all localities to specialize in public relations activities. They suggest that Allied Societies, Branches and Chapters should be urged to push ahead in this manner and that the Council should convene a meeting of public relations officers in about eight or ten months' time to discuss thoroughly the various problems in the light of the experience gained in the interval.

8. Improved Liaison between Architects and Builders at all Levels

There is an opportunity for further employment of architects in collaboration with builders working on private projects, and there is evidence that builders generally welcome the appointment of an architect. The Committee suggest that this matter should be discussed at a national level by the Joint Consultative Committee of Architects and Builders, and that Allied Societies, Branches and Chapters should be encouraged to follow the example of one or two societies who have developed their *ad hoc* liaison committees which studied the report of the Anglo-American Productivity Team into permanent consultative committees for their particular regions.

9. Approach to Building Societies

There is also a field for the employment of architects by those who build private houses with the assistance of building societies. The Committee suggest that approaches should be made, both to encourage the employment of architects and to discuss the possibility of building societies, including professional fees in the total sum to be lent on mortgage.

Recommendations Considered by the Council

Arising from paragraph 5 of the Report, the Committee recommended that steps should be taken to dissuade local authorities from permitting officials in public service to correct, amend or redraw unsatisfactory plans submitted for approval, and to encourage those authorities to return such plans with a strong recommendation that a properly qualified professional man should be employed by the building owner. The Council approved this recommendation, but expressed the view that effective action could not be taken at national level by reason of the wide measure of autonomy enjoyed by local authorities. It was thought that the only effective means of making such representations was by local contact between Allied Societies and the individual local authorities in their areas.

Arising from paragraph 8, it was recommended that the national liaison committee between architects and builders should go into the question of closer collaboration between architects and builders at all levels. This recommendation was approved, and the matter discussed between the R.I.B.A. and N.F.B.T.E. The question is being pursued further, but it has been strongly reiterated that the most effective means of achieving such liaison is on a regional and local basis by means of the joint consultative committees set up in the provinces for the discussion of productivity matters generally.

The suggestion made in paragraph 9 is in the process of being followed up by means of discussions with building societies' organizations and those representing house-builders.

The further recommendations made by the Committee were concerned with the importance of increasing activity by Allied Societies, Branches and Chapters in public relations work generally, close contact with local authorities and information service to them in the way of literature describing the services provided by architects and lists of names of architects available to undertake work. It was also recommended that a further conference of public relations officers of Allied Societies should be held at the R.I.B.A. to follow up the work initiated in November, 1951.

These recommendations were cordially endorsed by the Council. Communications have been sent to Allied Societies and arrangements are in hand for the proposed further conference.

The Council endorsed the suggestion that members

should in no circumstances assist the activities of the unqualified by covering or sponsoring plans prepared by them.

Detailed consideration was also given to the question of fees for private housing work, and it was agreed that the R.I.B.A. Scale of Professional Charges covers this question adequately, regard being had to the application of *quantum meruit* considerations for both normal partial services and for those services involving less than the usual amount of detailed design and supervision.

In approving the report of the Committee, the Council once again drew attention to the fact that the statutory administration of building affairs is greatly decentralized in the United Kingdom, with a wide measure of autonomy given to local authorities. Accordingly, the only effective approach on these matters must be regionally and locally.

Royal Gold Medal for Architecture, 1954

HER MAJESTY THE QUEEN, on the recommendation of the Royal Institute of British Architects, has awarded the Royal Gold Medal for Architecture for 1954 to the Australian architect Arthur George Stephenson, C.M.G., M.C., A.M.T.P.I., F.R.I.B.A.

This is the first occasion on which the Medal has been awarded to an Australian and the Medal will be presented to Mr. Stephenson by Her Majesty the Queen during her forthcoming visit to Australia.

Mr. Stephenson was born in 1890, was educated at the Melbourne Church of England Grammar School. He commenced his architectural training with one of the leading architects of Melbourne. Later he moved to Sydney for further experience in architectural offices and then spent some years with the British Exploration Company in New Guinea. From New Guinea he transferred to Western Australia to the Government Architect's Office.

During the first world war he served as a captain in the Australian Imperial Force in France, where he was decorated and mentioned in despatches.

At the conclusion of the war he continued his training at the Architectural Association in London, working in the offices of a number of leading Architects. In 1920 he returned to Melbourne and commenced private practice. While in London he became an A.R.I.B.A. and an A.M.T.P.I. in 1920 and in 1933 was elected F.R.I.B.A. In 1921 Mr. Stephenson founded the firm of Stephenson and Meldrum with its offices at 374, Little Collins Street, Melbourne.

A list of some of Mr. Stephenson's executed works follows:—

1921-1936

City Buildings.—Collins Court Office Building; McEwan House Building; Stock Exchange Building of Melbourne (Office Building); Melbourne Town Hall (Reinstatement after fire); State Savings Bank of Victoria (Head Office); State Savings Bank Branches; Melbourne Cricket Club (Members' Pavilion).

Industrial Buildings.—Messrs. Green and Sons, Printery; Queens Bridge Motors; Ford Assembly Plant, Sydney; McKay, Massey, Harris Plant; Peek Frean's Biscuit Plant.

Hospital Buildings.—Children's Hospital, Melbourne; Children's Orthopaedic Hospital, Frankston; Austin Hospital, Melbourne; Queen Victoria Hospital, Melbourne; Gippsland and District Hospital; Wangaratta District Hospital; Stawell District Hospital; St. Vincent's Hospital, Melbourne; Mercy Hospital, Melbourne; Bendigo District Hospital; Colac District Hospital and Clinic.

1937-1950

City Buildings.—E. S. and A. Bank, Melbourne (Head Office); Australian Consolidated Industries, Office Building, Sydney; Hotel Darwin, N.T.; Stafford Office Building, Sydney.

Industrial Buildings.—Royal Australian Navy Torpedo Factory; Peek Frean's Biscuit Factory; Sydney Lead Works; Exhibition Building, Wellington, N.Z.; Exhibition Building, New York.

Hospital Buildings.—Ballarat Base Hospital; Freemasons' Hospital; Geelong District Hospital; Bethesda Hospital, Melbourne; Castlemaine Benevolent Home; Echuca District Hospital; Royal Newcastle Hospital; Royal Melbourne Hospital; Royal Prince Alfred Hospital, Sydney; St. Vincent's Hospital, Sydney; Launceston General Hospital, Tasmania; King George V Memorial Hospital, Sydney; Dental Hospital, Sydney; Wellington Hospital, New Zealand; General Repatriation Hospital, Sydney; Royal North Shore Hospital, Sydney; King George V Pathological Laboratories, Melbourne.

MOSAICS	STRUCTURE	A
1. FLASHINGS & DAMPPROOFING.	7. FIXING.	S T R U C T U R E
2. RAINWATER DISPOSAL.	8. WINDOWS.	
3. PANEL WALLS & PARTITIONS.	9. FACING MATERIALS.	
4. FIREPLACES.	10. ROOFING & FLOORING.	
5. JOINTING.	11. DOORS.	
6. BRICKS & BLOCKS.	12. MISCELLANEOUS.	

MOSAICS	SERVICES	B
1. LIGHT FITTINGS.	S E R V I C E S	
2. VENTILATION.		
3. SPACE HEATING.		
4. PLUMBING AND WATER SUPPLY.		
5. ELECTRIC WIRING AND ACCESSORIES		
6. WATER HEATING AND SOFTENING.		
7. MISCELLANEOUS.		

MOSAICS	FITTINGS	C
1. ELECTRIC COOKERS AND REFRIGERATORS.	4. GAS COOKERS AND REFRIGERATORS.	F I T T I N G S
2. SANITARY.	7. CLOAKROOM FITTINGS.	
3. DOOR AND GATE FURNITURE.	8. FURNITURE.	
4. SOLID FUEL COOKERS	9. AGRICULTURAL.	
5. OFFICE FURNITURE.	10. WINDOW FURNITURE.	
	11. MISCELLANEOUS.	

MOSAICS	FINISHES	D
1. GLASS & GLAZING.	5. PLASTICS.	F I N I S H E S
2. LAMPSHADES	6. TIMBER.	
3. TEXTILES.	7. FLOOR FINISHES.	
4. WALLPAPERS	8. PAINT & PRESERVATIVES.	

MOSAICS

The Mosaic page this week takes the form of a complete list of subjects divided into main headings and sub-headings and printed as a set of Index Cards.

These Index Cards are primarily for those who cut out the individual items each week and stick them on cardboard for filing. Each section is dealt with in turn with an alphabetical identification and the sub-headings are listed in numerical order on each card.

It is hoped that these Index Cards, placed at the head of each section, will assist in the search for a particular object: they also demonstrate the range covered by the feature.

E	P L A N T
MOSAICS	9. GAUGES.
	10. SCAFFOLDING.
P L A N T	11. CABLE GEAR.
	12. DRAWING OFFICE EQUIPMENT.
MOSAICS	13. GENERATORS.
	14. MISCELLANEOUS.
P L A N T	15. PAINT & SPRAYING EQUIPMENT.
MOSAICS	1. WOODWORKING MACHINERY.
	2. SITE BUILDINGS & GEAR.
P L A N T	3. HAND & BENCH TOOLS.
	4. WELDING EQUIPMENT.
MOSAICS	5. STORAGE EQUIPMENT.
	6. LIFTING GEAR.
P L A N T	7. TRACTORS.
	8. CONCRETE MIXING.

Notes below give basic data of contracts open under locality and authority which are in bold type. References indicate: (a) type of work, (b) address for application. Where no town is stated in the

HIGH QUALITY WHITE FACING BRICKS

(S.P.W. BRAND)

As supplied to the WAR OFFICE, H.M. MINISTRY of WORKS, AIR MINISTRY, Etc.

Sample and Brochure
sent on request

M. MCCARTHY
& SONS, LTD.
BULWELL · NOTTINGHAM

CHAIRS

OF SUPERIOR QUALITY

CHEAP Chairs for Canteens,
British Restaurants, Halls,
etc. Personal attention given to
all Orders.

Mealing Bros. Ltd.

Avenue Chair Works,
West End Road,
High Wycombe.

Telephone: Wycombe 499.



Catalogue on
application



"EXCAVATION SPECIALISTS"

COMPLETE RANGE
OF EARTH MOVING TACKLE

"CAUDLE"

OF
LAND GEAR
CO., LTD.,

BIRMINGHAM 26

Telephone: STECHFORD 3011 Two Lines

CONTRACT • NEWS • OPEN

BUILDING

ARNOLD U.C. (a) Main entrance and side walls at proposed King George V Playing Field, Gedling Road. (b) Engineer and Surveyor, Amot Hill House. (c) £2. (e) Jan. 22.

BIRMINGHAM C.C. (a) Alterations to various buildings at Shenley Fields Cottage Homes, Northfield. (b) City Architect, Civic Centre, 1. (c) 2gns. (e) Feb. 1.

BOURNEMOUTH B.C. (a) Conversion of 15, Nelson Road into 2 self-contained flats. (b) Borough Engineer, Town Hall. (c) 2gns. (e) Jan. 23.

CHESTER C.C. (a) Highfield Junior School, Blacon. (b) City Engineer, Municipal Offices. (d) Jan. 16.

BRIGHTON B.C. (a) Block of 8 flats, junction of Upper and Lower Bevendean Avenues. (b) Borough Engineer, 26-30, King's Road. (c) 2gns. (e) Feb. 2. See page 32.

CROYDON B.C. (a) Dental centre, Shirley Road. (b) Chief Education Officer, Katharine Street. (c) £1. (e) Feb. 3.

CROYDON B.C. (a) Physiotherapy room and alterations at St. Giles' School, Addington. (b) Chief Education Officer, Katharine Street. (c) £1. (e) Jan. 28.

CROYDON B.C. (a) 2 additional classrooms and lavatory, etc., Kensington Avenue School. (b) Chief Education Officer, Katharine Street. (c) £1. (e) Feb. 3.

CROYDON B.C. (a) Dining hall and servery, Norbury Manor School. (b) Chief Education Officer, Katharine Street. (c) £1. (e) Feb. 3.

CUCKFIELD R.C. (a) Block of flatlets comprising 5 self-contained flats and 21 bed-sitting rooms, Hassocks. (b) Engineer and Surveyor, Council Offices, Boltro Road, Haywards Heath. (c) 2gns. (e) Jan. 18.

DURHAM C.C. (a) Grammar school at Consett; school at Newton Aycliffe; north-west quadrant of Peterlee infants' school; Whitworth House day school, Spennymoor. (b) County Architect, Court Lane. (d) Jan. 15.

FARNHAM U.C. (a) 6 old people's bungalows, Courtenay Road, Heath End Estate Extension. (b) Engineer and Surveyor, Council Offices Annexe, South Street. (c) £2. (e) Feb. 12. See page 32.

FELTHAM U.C. (a) Public convenience and shelter at junction of Twickenham Road and Bear Road, Hanworth. (b) Engineer and Surveyor, Council Offices. (c) 2gns. (e) Jan. 22.

HALIFAX B.C. (a) Station building at Crossfield Bus Station. (b) Borough Engineer, Crossley Street. (c) £2. (e) Jan. 16.

HARROW U.C. (a) 12 flats and 3 garages at "Belmont Lodge" site, London Road, Stanmore. (b) Engineer and Surveyor, Council Offices, Stanmore. (c) £2. (e) Jan. 21.

address it is the same as the locality given in the heading. (c) deposit, (d) last date for application, (e) last date and time for submission of tenders. Full details of contracts marked ★ are given in the advertisement section.

DOHM VERMICULITE

for

Lightweight Insulation

ROOF SCREEDS
FLOOR SCREEDS
PLASTERING
(Thermal & Acoustic)
LOOSE FILLING

also

Pre-Cast Partition Blocks
Suspended Ceiling Panels
Pre-Cast Steel Cladding

DOHM LTD.

167, VICTORIA STREET, S.W.1

VIC 1823 (6 lines)

ENGERT & ROLFE LTD.

COPPERTRINDA

The Best Dampcourse yet produced

LONDON E14



EAST 1441

LIFTS

by **MORRIS**

Herbert Morris Ltd.
Loughborough

Engineering branches in London, Glasgow, Manchester, Birmingham, Leeds, Sheffield, Newcastle, Cardiff, Bristol, Dundee, Liverpool, Nottingham, Bury St. Edmunds, Belfast

HARROW U.C. (a) Provision of additional sanitary and washing accommodation, Roxeth Primary School, Roxeth Hill, Harrow. (b) Engineer and Surveyor, Council Offices, Harrow Weald Lodge, Harrow. (c) £2. (e) Feb. 4.

HESTON AND ISLEWORTH B.C. (a) Civil defence buildings, Douglas Road, Hounslow. (b) Borough Engineer, 88, Lampton Road, Hounslow. (c) 2gns. (d) Jan. 15. (e) Feb. 15.

HOLYPORT. (a) Erection of a hall at Holyport. (b) F. J. Pook, Stroud Farm Road. (c) Jan. 29.

HORNCHURCH U.C. (a) 11 blocks of 4 maisonettes, Front Lane site, Cranham. (b) Council's Surveyor, Council Offices. (c) 2gns. (e) Jan. 20.

HUDDERSFIELD B.C. (a) County Primary School, Bradley. (b) Borough Architect, High Street Buildings. (c) 2gns. (e) Jan. 18.

HUNTINGDON C.C. (a) House for the headmaster at following schools now in course of erection: (1) Ramsey Secondary Modern School; (2) St. Ives Secondary Modern School. (b) County Architect, County Building, Huntingdon. (c) Jan. 20.

IPSWICH B.C. (a) 8 houses at Hawthorn Drive, Chantry Estate; 8 flats at Cemetery Road. (b) Borough Engineer, 19, Tower Street. (c) 3gns. (d) Jan. 8. (e) Feb. 11.

ISLE OF WIGHT C.C. (a) Primary School at Bettesworth Road, Ryde, with alterations, etc., to adjoining house. (b) County Architect, County Hall, Newport. (c) 3gns. (d) Jan. 15. (e) Feb. 16.

KEYNSHAM U.C. (a) 48 traditional-type houses (T); 46 traditional-type houses (OMN); Park West Estate. (b) Engineer and Surveyor, Council Offices, Keynsham, Bristol. (c) 2gns and 4gns respectively. (e) Feb. 1.

KIDSGROVE U.C. (a) (1) Block of 3 shops and flats, King Street, Kidsgrove; (2) site preparation work including kerbing paving, etc. (b) Council's Architect, Town Hall. (c) 2gns. (e) Jan. 21.

LEATHERHEAD U.C. (a) Old people's hostel. (b) Engineer and Surveyor, Red House. (c) 10s 6d. (e) Jan. 25.

LINCOLN C.C. (a) 2-storey classroom block, Carre's Grammar School, Sleaford. (b) County Architect, County Offices, Sleaford. (e) Jan. 25.

LINCOLN C.C. (a) Alterations and additions to Manor House, Heckington. (b) County Architect, County Offices, Sleaford. (e) Jan. 25.

LINCOLN C.C. (a) Pair of houses at Kesteven Farm Institute, Caythorpe, near Grantham. (b) County Architect, County Offices, Sleaford. (e) Jan. 25.

LINCOLN C.C. (a) Erection of all or any of following district nurses' houses at (1) Navenby, (2) Corby, (3) Ropsley, (4) Heckington, (5) Market Deeping. (b) County Architect, County Offices, Sleaford. (e) Jan. 25.

LIVERPOOL C.C. (a) Conversion of Lark Lane Police Station to form divisional headquarters. (b) City Architect, Blackburn Chambers, Dale Street, Kingsway, 2. (c) 2gns to City Treasurer. (e) Jan. 18.

ARCHITECTURAL IRONWORK



HOTCHKISS LIMITED

Established 1885
ASHFORD ROAD, EASTBOURNE. 2424 3 Lines

ENGERT & ROLFE LTD FELT ROOFING CONTRACTORS

LONDON E14 EAsT 1441

Specify

CERRUX DECORATIVE PAINTS

CELLON LTD., KINGSTON-ON-THAMES

Save Bricks by using
TRUE FLUE
STACK CONSTRUCTION
TRUE FLUE LTD
CONVECTOR HOUSE · ACACIA ROAD
ST. JOHNS WOOD · LONDON · N.W.2

GIMSON LIFTS

Service is available
throughout the country

GIMSON & CO. (LEICESTER) LTD.
VULCAN ROAD, LEICESTER

Telephone: LEICESTER 60272
Telegrams: GIMSON LEICESTER

LONDON—GREENWICH B.C. (a) 6 flats and 2 maisonettes at 380-394, Woolwich Road, S.E.7, and block of 4 flats at 22-28, Tuskar Street, S.E.10. (b) Borough Engineer, Town Hall, Greenwich High Road, S.E.10. (c) 2gns. (e) Feb. 2.

MALVERN U.C. (a) Reconstruction of the gentlemen's conveniences at the Winter Gardens. (b) Surveyor and Water Engineer, The Council House. (c) 2gns. (e) Jan. 18.

MARTLEY R.C. (a) 29 houses, etc., at Broadheath. (b) R. J. Turner, 1, The Tything, Worcester. (c) 2gns. (e) Jan. 29.

MORPETH B.C. (a) 2 shops and flats at Spelvet Lane Estate. (b) Borough Surveyor, 36, Bridge Street. (c) 2gns. (e) Feb. 1.

NEWCASTLE-UPON-TYNE C.C. (a) Ambulance depot at Millers Road, Byker, Newcastle. (b) City Architect, 18, Cloth Market, 1. (c) Feb. 15.

PETERLEE DEVELOPMENT CORPORATION. (a) (Section A) 30 houses; (Section B) 64 houses; (Section C), 50 houses; Acre Rigg development. (b) General Manager, Shotton Hall, Castle Eden, Co. Durham. (c) 2gns. (e) Jan. 30.

PORTSMOUTH C.C. (a) 18 flats, Link Road, Wymering. (b) Messrs. A. E. Cogswell and Sons, Prudential Buildings, Commercial Road. (c) 3gns. (d) Jan. 12.

REDDITCH U.C. (a) Alterations and additions to Public Library and School of Art. (b) Engineer and Surveyor, Council House. (c) £5. (e) Jan. 20.

SCOTLAND—GLASGOW C.C. (a) Several works in connection with erection of shops and flats at Ashmore Road, Merrylee. (b) Architectural and Planning Dept., 20, Trongate, C.I. (e) Jan. 21.

SCOTLAND—LANARKSHIRE C.C. (a) Protestant primary school and an R.C. primary school at Kirkwood, Coatbridge. (b) County Clerk, Lanarkshire House, 191, Ingram Street, Glasgow, C.I. (d) Jan. 12.

SOUTHBOROUGH U.C. (a) Block of 4 flats, Charles Street. (b) Messrs. Howes and Jackman, 1, Verulam Buildings, Grays Inn, London, W.C.1. (c) 2 gns. (e) Jan. 25.

STOCKPORT B.C. (a) 75 single and aged persons' dwellings, Brinnington Estate. (b) Borough Surveyor, Town Hall. (c) 3gns. (d) Jan. 9. (e) Jan. 30.

WAKEFIELD C.C. (a) Thornes House bi-lateral school for 660 pupils. (b) City Engineer, Town Hall. (c) 3gns. (e) Jan. 26.

WARRINGTON B.C. (a) First instalment of the technical college at Long Lane, providing for workshop and laboratory block. (b) Borough Surveyor, Town Hall. (c) 5gns. (e) Feb. 2.

WATH-UPON-DEARNE U.C. (a) (Contract No. 33) 42 dwellings, with out-buildings, etc., West Melton No. 2 scheme. (b) Engineer and Surveyor, Town Hall. (c) 3gns. (e) Jan. 18.

WORCESTERSHIRE C.C. (a) Primary school, Brandhill Estate, Oldbury. (b) County Architect, 14, Castle Street, Worcester. (c) 5gns. (d) Jan. 15.



LIGHTNING CONDUCTORS
J. W. GRAY & SON LTD.
 TUDOR HOUSE, PRINCETON STREET,
 BEDFORD ROW, LONDON, W.C.1.
FLAGSTAFFS

London's Finest new & secondhand Values
ARCHITECTS' PLAN CHESTS
*Steel's Wood Office Furniture
 Filing Cabinets
 Sales Chairs, etc.*
M. MARGOLIS
 378-380 EUSTON ROAD, LONDON, N.W.1. Phone: EUS 1322

HARDWOOD FLOORING
"EX STOCK"
 Block or Strip Flooring in $\frac{1}{2}$ ", $\frac{3}{4}$ ", $\frac{1}{2}$ " and $1\frac{1}{2}$ " thicknesses, in the following species, grades suitable for Civic, Domestic and Factory Floors:—
 Agba, Anyan, Apa, Beech (English, American, Yugoslavian, Japanese), Birch (Finnish, Japanese), Ekkli, Emeri, Greenheart, Guarea, Gurjun, Idigbo, Iroko, Jarrah, Kanluang, Keruing, Krabea, Mahogany, Maple, Maranti, Muhuhu, Oak (English, American, Austrian, Japanese, Silky), Omu, Opepe, Podo, Ramin, Rauli, Sapelli, Sepitir, Serayah, Teak, Walnut, etc.
WILLIAM THORNTON & SONS, LTD.
 Joinery Dept., 38, WELLINGTON ROAD,
 LIVERPOOL, 8. Tel.: Lark Lane 1921/4.
 Grams: Thornpool, Liverpool.

PLACED

Notes on contracts placed state locality and authority in bold type with (1) type of work, (2) site, (3) name of contractor and address, (4) amount of tender or estimate. † denotes that work may not start pending final acceptance, or obtaining of licence, or modification of tenders, etc.

LAMBETH B.C. (1) 132 flats, 30 houses. (2) Rosendale Road. (3) M. J. Gleeson (Contractors), Ltd., London Road, Cheam, Surrey. (4) £344,360.

WILTSHIRE C.C. (1) Secondary School. (2) Chippenham. (3) F. Rendell and Sons, Ltd., St. John Street, Devizes. (4) £133,541.

SHOREHAM HARBOUR TRUSTEES. (1) Large-scale improvement to harbour. (3) Peter Lind and Co., Ltd., Stratton House, Piccadilly, London, W.1. (4) £1,750,000.

SHOREHAM U.D.C. (1) 85 houses. (2) Hammy Lane. (3) Building and Public Works Construction Co., Ltd., of Swindon. (4) £103,577.

SEVENOAKS U.D.C. (1) 88 dwellings. (2) London Road. (3) S. W. Berwick, Cramptons Road, Sevenoaks, Kent. (4) £109,587.

WESTMINSTER CITY COUNCIL. (1) Block of 40 flats, 16 maisonettes. (3) Taylor, Woodrow Construction, Ltd., Southall, Middlesex. (4) £126,125.

STOKE-ON-TRENT E.C. (1) Erection of Blurton secondary school. (3) Direct labour. (4) £191,752.

HETTON U.D.C. (1) 110 houses. (3) Direct Labour Department.

SOUTH SHIELDS. (1) Construction of dry dock 715 feet long for Brigham and Cowan, Ltd. (3) Marples, Ridgeway and Partners, Ltd., London, S.W.1.

HATFIELD R.D.C. (1) 121 houses, 7 bungalows. (2) Roe Hill. (3) T. F. Nash Contractors, Ltd., Uxbridge Road, Hayes, Middlesex. (4) £193,575.

ESSEX COUNTY E.C. (1) Bonnygate primary school. (2) Ockendon. (3) Barris Partners, Ltd., 45, Queen's Road, Brentwood. (4) £73,885.

DARLINGTON B.C. (1) Primary school. (2) Firth Moor. (3) F. Shepherd and Son, Ltd., Blur Bridge Lane, York. (4) £48,165.

IT'S
GOOD FENCING
 IT'S
SUPREME
 FOR FENCING OF ANY TYPE.
 SUPPLIED OR ERECTED COMPLETE TRY.
SUPREME FENCING LTD.
 110 ST. ALBANS ROAD
 WATFORD
 HERTS.
 GAEDEBROOK
 2273

ASPHALT WORK TO ALL B.S.S.
COVERITE
COVERITE (ASPHALTERS) LTD.
 PALACE GATES STN. N.22, Essex Park 13072

ALTRINDA DAMPCOURSE
 Supplied From Stock
ENGERT & ROLFE LTD
 LONDON E14 EAST 1441

LIGHT STEELWORK
 (1925) LTD.
 HYTE ROAD,
 WILLESDEN, N.W.10
 Telephone: LADBROKE 3674
STEEL STAIRCASES
BALUSTRADES AND HANDRAILS

FOR
SIGNS & LETTERS
 IN ALL METALS & FINISHES
 Consult
H. ASTLEY & Co. Ltd.
 EGRET MILL, ASHTON-U-LYNE
 Tel.: 2050 Est. 1918
 We are actual manufacturers with a first class erection service
SPECIALISTS IN NEON INSTALLATIONS

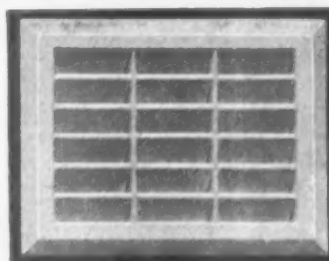
UNBREAKABLE PLASTER VENTILATORS, LOUVRES AND GRILLES

Full particulars and sample on request from

COZENS VENTILATORS LTD.

2 KINGSWOOD ROAD,
 PENGES, S.E.20.

Telephone: Sydenham 8575



MODEL J2

THE BEST IN FENCING

This typical example of Security Fencing at the Cambridge works of The British Portland Cement Manufacturers Ltd., was carried out by us — the Chain Link Fencing, Concrete Posts and Fittings were all manufactured at our Watford factory and erected by a team of our specialist erectors.



PENFOLD



FENCING AND ENGINEERING LTD.

IMPERIAL WORKS · BALMORAL ROAD · WATFORD · HERTS

Telephone: Watford 2241. Telegrams: "Penfold, Watford."

4P/5

ANNOUNCING
LARGE REDUCTIONS IN
THE PRICES OF THE . . .
"XL-TALBOT"
COMBINATION GRATE



The "XL-TALBOT" is an entirely new design of the popular 38" x 38" Side-oven Combination Grate, being continuous burning on Coke, Coal or any other solid fuel. It gives an open or closed fire as desired, providing an abundant supply of hot water, with ample cooking facilities.

★ Approved by the ★
Ministry of Fuel and Power

The above illustration shows this model with cast iron mantel and curb with solid doors which are finished in various attractive vitreous enamels. Lustre enamel finishes are also available. This model can also be supplied with Tiled doors, Hearth Tiles and all Tiled Surround.



Please write for full particulars and reduced prices to:

SAMUEL SMITH & SONS LTD.
BEEHIVE FOUNDRY
SMETHWICK, 41, STAFFS.



Telephone:
ENField 4877/8

Telegrams:
Quality, Enfield

SHUTTER CONTRACTORS LTD.

LINCOLN WORKS
ENFIELD

MANUFACTURERS OF

Quality

**ROLLING SHUTTERS
IN STEEL, WOOD &
ALUMINIUM ALLOY**

FOR ALL TYPES OF BUILDINGS

APPROVED MANUFACTURERS TO
F.O.C. AND L.C.C. REQUIREMENTS

CONTRACTORS TO
H.M. GOVERNMENT—ALL DEPARTMENTS
PUBLIC UTILITY COMPANIES, COUNCILS
PRINCIPAL RAILWAYS, INSTITUTIONS
Etc.

Denton's DENTOLITE + Self-Sterilising + PAINT

*The only paint of it's
kind in the world*

DENTOLITE is the latest of all modern wall finishes. It is a finest quality NON-POISONOUS Emulsion Paint manufactured by a special process which makes it permanently fungicidal and bacteriacidal. Throughout its entire life DENTOLITE prevents the growth of mould and fungi on itself or surfaces to which it is applied and destroys disease-producing micro-organisms in contact with or deposited upon it. The properties of DENTOLITE are fully described, illustrated and documented in the following publications, copies of which will gladly be sent on request.



DB 1 "Self-Sterilising Surfaces Created by Decorating."

DL 12 "Bacteriologists', Pathologists' and Research Associations' Reports on DENTOLITE."

DR 7 "Field Test on DENTOLITE Self-Sterilising Paint by a National Research Association."

DR 6 "DENTOLITE Self-Sterilising Emulsion Paint—Its effectiveness against Tubercle Bacilli."

DR 5 "Investigation Into the Ability of Various Types of Paint to Suppress Microbial Growth."

DL 3 "DENTOLITE"—The perfect Satin Finish Wall Enamel."

PM 1 "Painting Maintenance Manual—Hospitals, Clinics, Sanatoria."

PM 2 "Painting Maintenance Manual—Bakeries and Food Factories."

PM 3 "Painting Maintenance Manual—Industrial Premises and Public Buildings."

DENTON & JUTSUM LTD.,
Division of the Denton Edwards Paint Co. Ltd.
Paint and Varnish Makers for over 160 years.
ABBEY ROAD, BARKING, ESSEX.

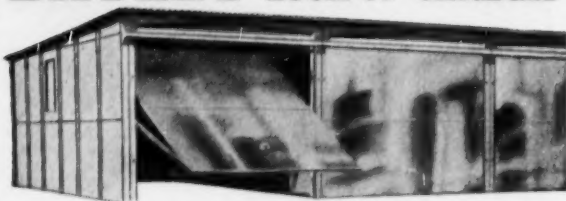
THE SYNCHRONOME COMPANY, LTD.

*Manufacturers of
Electrical Impulse Clocks*

**ABBEE ELECTRICAL CLOCK
WORKS**
WOODSIDE PLACE, ALPERTON,
MIDDLESEX.

Tel.: WEMbley 3643

BATLEY LOCK-UP GARAGES



NOW AVAILABLE WITH UP AND OVER DOORS

With the present-day high cost of building materials and labour, BATLEY Multiple Concrete Garages offer tremendous economies. Employing the well-known Batley principle of tongued and grooved concrete units which are simply bolted together on a firm, level foundation, these Garages can be erected by unskilled labour in hours instead of days. Fitted with smooth-sliding, space saving Up and Over Doors as an alternative to hinged doors at no extra cost. In addition to the big saving in initial cost, Batley Garages require no maintenance—they last a lifetime without attention. They are completely fireproof, weatherproof, ratproof and verminproof. Wherever lock-up Garages are required—for Municipal Housing Estates, Hotels, Flats, Armed Services Camps, etc.—it will pay you to investigate.

**FREE DELIVERY
IN ENGLAND AND
WALES.**

No. of Garages	Size	Clear Height	Total Cost
2	16ft. 3in. x 16ft. 4in.	6ft. 3in.	£125 0 0
3	24ft. 3in. x 16ft. 4in.	6ft. 3in.	£180 0 0
6	48ft. 3in. x 16ft. 4in.	6ft. 3in.	£345 0 0
9	72ft. 3in. x 16ft. 4in.	6ft. 3in.	£510 0 0
12	96ft. 3in. x 16ft. 4in.	6ft. 3in.	£675 0 0

Plus £55 per additional garage to any number required in one block. Also available with a clear height of 7ft. 9in., as alternative length of 19ft. if required.

DEFERRED TERMS AVAILABLE

BATLEY MULTIPLE CONCRETE GARAGES

Send for full details and brochure to:—

ERNEST BATLEY LTD., 96, Colledge Road, Holbrooks, Coventry

Phone: 89245/6

Tyrolean finish...



This modern decorative finish—an "open" textured facing—provides a pleasing and durable finish for concrete, masonry and all surfaces having the necessary suction.

It can be applied quickly and efficiently by the TYROL hand-operated machine which effects a saving of 20% on material costs against other methods.

- LIGHT WEIGHT
- RAPID COVERAGE
- SIMPLE TO USE
- EASY TO CLEAN

£9 18 0 (Delivered free)

TYROL SALES LTD.

ST. BENET CHAMBERS, 1a FENCHURCH ST., LONDON, E.C.3

Telephone: MANsion House 2735



Nature has equipped the Penguin to resist damp. "Aqualite," impregnated with Bitumen, nature's own damp resistant, is Brigg's answer to the demand of Builders and Architects for the perfect dampcourse.

BRIGGS AQUALITE

BITUMEN DAMPCOURSE

"Laid in a minute... lasts as long as the wall!"

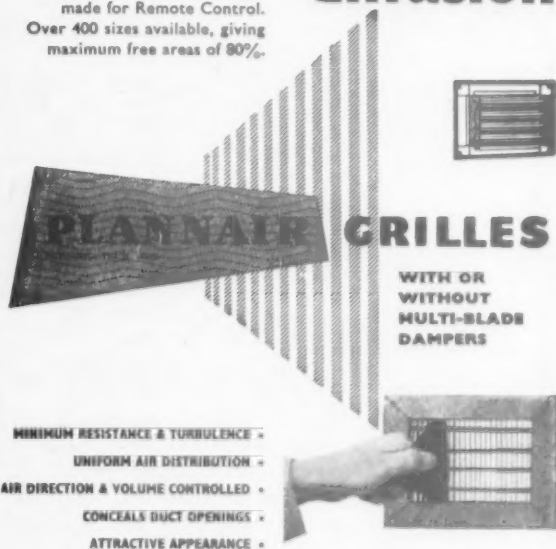
WILLIAM BRIGGS & SONS LTD. DUNDEE.

LONDON: Vauxhall Grove, S.W.8.

Branches: Aberdeen, Belfast, Bristol, Edinburgh, Glasgow, Leicester, Liverpool, Norwich

Multi-blade Dampers are recommended for all grilles used for air-supply where Volume Control is essential. Single-flap Dampers can be supplied, and grilles with Multi-blade Shutters are also made for Remote Control. Over 400 sizes available, giving maximum free areas of 80%.

planned air diffusion



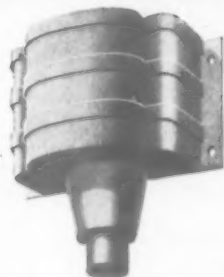
- MINIMUM RESISTANCE & TURBULENCE •
- UNIFORM AIR DISTRIBUTION •
- AIR DIRECTION & VOLUME CONTROLLED •
- CONCEALS DUCT OPENINGS •
- ATTRACTIVE APPEARANCE •

WRITE FOR DESCRIPTIVE LEAFLET

CAMACK BROWNE LIMITED

140 PARK LANE LONDON W1 TEL MAYFAIR 4374/5
Rooster 2887

BUILDING FRONT PANELS



RAIN WATER HEADS

Building front panels, decorative and enduring . . . Rain water heads, elegant as they are purposeful . . . these are among the specialised cast-iron products of Lion Foundry.



LION FOUNDRY CO. LTD
KIRKINTILLOCH, NR. GLASGOW

Telephone: KIRKINTILLOCH 2231

LONDON OFFICE—

124 Victoria St., S.W.1.

Telephone: VICTORIA 9148

map and plan mounting at **WEST**



THE FIRST-CLASS JOB speaks for itself! . . . something to remind you perhaps of clean sheets newly aired! Smooth your hand across its surface. *There is strength and durability, fine finish, fitness for its special purpose . . .*

The greatest care is necessary. No two lots of paper are exactly alike. Papers, cottons and mounting boards vary in tensile strength and shrinkage factor. A particular glue will suit one job—only a certain paste can be trusted for another. Generations of craftsmen have handed on knack and knowledge of this kind at WEST; we are constantly experimenting, testing, making sure!

Perfected processes include joining and mounting maps and plans of all sizes on to paper, cotton and board; providing and fixing roller and ledge fittings; fixing to spring rollers; mounting flat or cut to fold as for road maps; providing and fixing large wooden strainers as for theatre and exhibition displays; expert repair of torn and dilapidated documents; binding reports and estimates into book form; edge-binding with 'Byndite' or silk; and varnishing . . . and we welcome new problems!

WESTY SAYS: We specialise in mounting up competition work—faultless presentation is so important.



In the field of map and plan mounting

WEST understand your problems

A. WEST & PARTNERS LTD · 4 ABBEY ORCHARD STREET · LONDON · S.W.1
TELEPHONE: ABBEY 3323

OFFICIAL APPOINTMENTS

Rate 1/6 per line, minimum 3/-

ANNOUNCEMENTS • CONTRACTS • TENDERS

Close for press 1st post Monday for following Thursday Issue

APPOINTMENTS

The engagement of persons answering these advertisements must be made through the local office of the Ministry of Labour and National Service, etc., if the applicant is a man aged 18-54 or a woman aged 18-59 inclusive, unless he or she or the employer is exempted from the provisions of The Notification of Vacancies Order 1952.

BOROUGH OF WILLESDEN.

APPOINTMENT OF CHIEF ARCHITECT.

APPLICATIONS are invited for the appointment of CHIEF ARCHITECT on the Permanent Staff of the Borough Engineer and Surveyor's Department at a salary within the range of £1,050 per annum rising by annual increments of £50 to a maximum of £1,250 per annum, the commencing salary to be determined according to experience. A car allowance is payable.

Candidates must have qualified as Associate of the Royal Institute of British Architects and have not less than ten years' experience as an architect subsequent to any period of Articles.

Details of the conditions of employment, duties and information required to be submitted by candidates can be obtained on application to the Borough Engineer and Surveyor.

Applications, together with copies of not more than three recent testimonials, should be forwarded to the undersigned endorsed "Chief Architect," not later than 10 a.m. on Monday, 8th February, 1954.

The Council cannot assist with the provision of housing accommodation.

Canvassing, either directly or indirectly, will be deemed a disqualification.

(signed) R. S. FORSTER,

Town Clerk.

Town Hall,
Dyne Road,
Kilburn, N.W.6.
22.12.1953.

[7546]

LONDON ELECTRICITY BOARD.

ARCHITECTURAL DRAUGHTSMAN.

APPLICATIONS are invited for the above position in the Chief Engineer's Department in Central London. Applicants should be neat draughtsmen and preferably have had several years' experience in an Architect's office.

The post is graded under Schedule "D" of the National Joint Board agreement as Grade 6—£458 to £595 7s per annum, inclusive of London Allowance.

Application forms obtainable from Secretary, 46, New Broad St., E.C.2, to be returned completed within 10 days of the publication of this advertisement. Please enclose addressed foolscap envelope and quote ref. V/1683/AA on envelope and all correspondence.

[7549]

PERTH AND KINROSS JOINT COUNTY COUNCIL.

require (a) two SENIOR ASSISTANT ARCHITECTS. Salary £550-£650 (A.P.T. IV/V) and (b) one JUNIOR ASSISTANT ARCHITECT. Salary £520-£565 (A.P.T. III), both for work on new School Building Programme. Placing on Scales according to experience, etc. Particulars and application forms from County Clerk County Offices, York Place, Perth. State whether for post (a) or (b). Applications to be lodged by 18th January, 1954.

[7550]

COUNTY COUNCIL OF THE WEST RIDING OF YORKSHIRE.

OFFICE OF THE COUNTY ARCHITECT.

APPLICATIONS are invited for the appointments of ASSISTANT ARCHITECTS in grades A.P.T. V, VA, VI and VII—salary ranging from £595 p.a. to £785 p.a. according to grade.

Candidates should be registered architects and be Associate Members of the Royal Institute of British Architects.

The appointments will be subject to one month's notice on either side and to the provisions of the Local Government Superannuation Act, 1937, as amended by the West Riding County Council (General Powers) Act, 1948, and the Conditions of Service at present in operation by the County Council. The successful candidate will be required to pass a medical examination.

Application forms, obtainable from this office, should be delivered not later than the first post on Monday, 25th January, 1954.

HUBERT BENNETT, F.R.I.B.A.,

County Architect.

"Bishopscarth,"
Westfield Road,
Wakefield.

[7554]

APPOINTMENTS—contd.

CITY OF BIRMINGHAM.

CITY ARCHITECT'S DEPARTMENT.

APPLICATIONS are invited for the following new appointments:—

(a) PRINCIPAL ARCHITECT (Housing)—£1,250-£1,450 per annum.

For this post applicants must be suitably qualified with extensive knowledge and experience of design, administration and organization of Housing schemes.

(b) ARCHITECT (Section Leader—Grade A.P.T. X (£895-£1,025 per annum).

Applicants must hold the Associate Membership of the R.I.B.A. or equivalent qualification and have outstanding ability in the design of all types of buildings.

(c) QUANTITY SURVEYOR—Grade A.P.T. IX (£815-£935 per annum).

(d) QUANTITY SURVEYOR—Grade A.P.T. VIII (£760-£835 per annum).

(e) ASSISTANT QUANTITY SURVEYOR—Grade A.P.T. V (£595-£645 per annum).

(f) QUANTITY SURVEYOR'S ASSISTANT—Grade A.P.T. IV (£555-£600 per annum).

For appointments:—

(c) and (e) Applicants must hold the Associate Membership of the Royal Institute of Chartered Surveyors (Quantity Section) or equivalent qualification and, for (c) and (d), have had extensive experience in a Quantity Surveyor's office.

(f) Applicants must hold the Intermediate Examination of the R.I.C.S. (Quantity Section) or equivalent qualification.

The posts are permanent, superannuable, subject to a medical examination and to one month's notice on either side.

Applications, endorsed with the heading of the post, stating age, qualifications and experience, together with the names of two persons to whom reference can be made, should reach the undersigned not later than the 23rd January, 1954.

Canvassing disqualifies.

A. G. SHEPPARD FIDLER,

City Architect.

Civic Centre, Birmingham, 1.

[7553]

PADDINGTON BOROUGH COUNCIL REQUIRE SENIOR ASSISTANT ARCHITECT within A.P.T. Grade VIII (£790×£25—£865 p.a.; 10 p.a. less if under age 26 years). Candidates must be A.R.I.B.A. with experience of local authority work, contemporary design and construction of general municipal work, including multi-storey flats; supervision of large building contracts and architectural staff; Town Planning experience an advantage.

Applicants should state age, qualifications, previous and present appointments with dates and salaries, details of experience and names and addresses of three referees. Last date for receipt by Town Clerk (A.140), Paddington, W.2, is 1st February, 1954.

[7562]

CONTRACTS

FARNHAM URBAN DISTRICT COUNCIL.

CONSTRUCTION OF 6 OLD PEOPLES' BUNGALOWS AT COURTENAY ROAD, HEATH END ESTATE EXTENSION, FARNHAM, SURREY.

TENDERS are invited for the construction of ONE BLOCK OF FOUR BUNGALOWS AND ONE BLOCK OF TWO BUNGALOWS.

Forms of Tender, Bills of Quantities, Conditions of Contract and Specification may be obtained from and Detailed Drawings inspected on application to Geoffrey Poole, Esq., A.M.Inst.C.E., Engineer and Surveyor, Council Offices Annex, South Street, Farnham, Surrey, on payment of a deposit of £2 which will be returned upon receipt of a bona fide tender (not subsequently withdrawn) or on return of the documents.

Tenders must be delivered to the undersigned in the endorsed envelope provided not later than 12 noon on Friday, 12th February, 1954.

The Council does not bind itself to accept the lowest or any tender.

A. A. MINNS,

Clerk of the Council.

Council Offices,
South Street,
Farnham, Surrey.

[7545]

CONTRACTS—contd.

COUNTY BOROUGH OF BRIGHTON.

TENDERS are invited for the erection of a BLOCK OF 8 FLATS at the junction of Upper and Lower Bevendean Avenues.

Bills of Quantities and forms of tender may be obtained from the Borough Engineer and Surveyor, 26/30, King's Road, Brighton, on or after the 11th January, 1954 on receipt of a returnable deposit of £2 2s.

Tenders are to be delivered to the Town Clerk in plain sealed envelopes by noon on Tuesday, 2nd February, 1954.

W. O. DODD,

Town Clerk.

[7547]

COMPETITIONS

ROYAL BURGH OF KIRKCALDY.

THE Royal Burgh of Kirkcaldy invite Architects to submit in competition, designs for a CREMATORIUM to be erected at DUNNICKIER PARK, KIRKCALDY.

Assessor—Dr. Ronald Bradbury, Ph.D., F.R.I.B.A., A.M.T.P.I.

Premiums—1st £300; 2nd £200; 3rd £100.

Last day for submitting designs—Saturday, 8th May, 1954.

Last day for questions—Saturday, 20th February, 1954.

Conditions of the competition may be obtained on application to the Town Clerk, Town House, Kirkcaldy. Deposit £2.

CHARLES D. CHAPMAN,

Town Clerk.

[7534]

MISCELLANEOUS SECTION

RATE: 1/6d. per line, minimum 3/-, average line 6 words. Each paragraph charged separately.

BOX NOS. add 2 words plus 1/- for registration and forwarding replies which should be addressed c/o "The Architect & Building News," Dorset House, Stamford Street, London, S.E.1.

PRESS DAY Monday. Remittances payable to Liffé & Sons Ltd., Dorset House, Stamford Street, London, S.E.1.

No responsibility accepted for errors.

ARCHITECTURAL APPOINTMENTS VACANT

The engagement of persons answering these advertisements must be made through the local office of the Ministry of Labour and National Service, etc., if the applicant is a man aged 18-54 or a woman aged 18-59 inclusive, unless he or she or the employer is exempted from the provisions of The Notification of Vacancies Order 1952.

ASSISTANT Architect required. Salary £400 p.a. or thereabouts according to experience.—Apply giving full particulars to Frederick Gibberd, 8, Percy St., W.1. [7555]

ASSISTANT, Intermediate standard, required in architect's office; good draughtsman, office experience essential.—Apply, stating salary required, 135, Bow Rd., London, E.3. [7559]

SENIOR Architectural Assistant required in Central London office. Experience of shops and shopfitting an asset.—Please write to Box 2611 stating age, experience and salary required. [7548]

ARCHITECTURAL asst. (temporary) reqd. for minimum period 6 months; busy office borders Glos. and Worcs. in pleasant market town; salary up to £500 per annum; Intermediate or Final standard; quick draughtsman capable of running a job.—Box 2645. [7557]

ARCHITECT-DRAUGHTSMAN, must have good knowledge of building construction and preferably of prefabricated methods. Must be quick and accurate and able to control small drawing office. Age 30-35.—Mayerette, Ltd., Parliament Mansions, Abbey Orchard St., S.W.1. [7551]

ARCHITECTURAL APPOINTMENTS VACANT—contd.

ARCHITECT'S Assistant required in London office. Interesting and varied practice, including housing, licensed premises, hospital, factory and laboratory works. Passed R.I.B.A. Intermediate essential. Five-day week, staff profit-sharing scheme. Salary £494 per annum. Applications by letter only, giving particulars of training and experience to, Stewart & Hendry, F.F.R.I.B.A., A.M.T.P.I., 90, Fenchurch St., London, E.C.3. [7556]

SITUATIONS VACANT

The engagement of persons answering these advertisements must be made through the local office of the Ministry of Labour and National Service, etc. If the applicant is a man aged 18-64 or a woman aged 18-59 inclusive, unless he or she or the employer is exempted from the provisions of The Notification of Vacancies Order 1952.

OUTSIDE representative about 25-30 years old required for north-east coast area by established company marketing specialist building materials; position carries salary, expenses and commission, with car provided; applicants must have selling experience and preferably knowledge of architecture, surveying or building, and must live in the area.—Write Box Z.E.758, Deacon's Advertising, 36, Leadenhall St., London, E.C.3. [7561]

A LARGE company in the East Midlands require an assistant in their real estate department; applicants should have wide general knowledge and experience of building construction, maintenance surveying and be capable of preparing condition surveys, specifications, simple constructional drawings and preferably have some knowledge of quantities and estimating.—Reply, giving full particulars of age, experience, qualifications and salary required, Box 2646. [7558]

A BUILDING surveyor is required by a large manufacturing and distributing company to initiate and supervise site modifications to depot premises situated in major U.K. towns; candidates should be accustomed to working to local bye-laws and preparing reports and sketches; technical standard should be at least H.N.C. building, plus some years' experience of building work; preference given to bachelor without home ties; for the right man this appointment is permanent, pensionable and carries good salary and expenses.—Write fully in confidence Box 2532. [7533]

WORK REQUIRED

BRICKWORK and pointing wanted, old or new; plant and materials if required; established 50 years.—Reader and Son, 80, Wandale Rd., S.W.17. Tel. Primrose 3781. [7563]

POINTING A SPECIALITY.

DANGEROUS structures, dilapidation work required; personal supervision; own plant and materials supplied if required.—Apply to L. & E. Peachey, 20, Priory Rd., N.8. Tel. Mou. 6787 (after 5.30 p.m.). [7560]

FOR SALE

BARGAIN, £40; approx. 4,500 antique hand-made plain peg tiles and fittings from an old barn lying at Oxshott, Surrey.—Box 2650. [7564]

OAK beams, baulks, barge boards, etc., 16th century, carved, ideal for restoration work.—Bridge House, Broxbourne, Herts. Tel. Hoddesdon 3317. [7565]

ALL Mouldings, Plain and Embossed, and Embossed ornaments. Numerous designs.—Dareve's Moulding Mills, Ltd., 60, Fownall Rd., Dalston, E.8. [0086]

CEDALINE (moth-proof cedar), for lining cupboards, wardrobes, chests, etc., 2in and 2½in x ½in T. & G., approx. 8,000ft run, to clear at 9d per ft.—Box 2464. [7525]

RAILWAY sleepers, all grades in stock; reclaimed timber, creosoted, sawn to size; trench battens, 7ft long x 7in x 2½in approx.—F. W. Hearn, John St., West Bromwich. Tel. Wes. 0332. [7522]

PLANT FOR HIRE

CHASESIDE mechanical shovels, Major type, by day, week or contract, with drivers; tipping lorries supplied if required with shovels.—Henry Froud, Ltd., Primrose Wharf, Tunnel Ave., Greenwich, S.E.10. Tel. Greenwich 0072-3. [0138]

PRIVATE DRIVES AND ROADS

PRIVATE Drives, Forecourts, Roads, etc., re-surfacing or new construction by Specialists. Tarmacadam, Tar-spraying, Chippings, Shingle, etc. Estimates free.—Stanley Lucas (Slough), Ltd., 16, Mackenzie St., Slough 21279. [0136]

LITERARY

AUTHORS invited submit MSS all types (including poems) for book publication.—Stockwell, Ltd., Elms Court, Ilfracombe. (Estd. 1898.) [7552]

NISSEN HUTS, ETC.

RECONDITIONED ex-Army huts and manufactured buildings, timber, asbestos, Nissen type, hall type, etc., all sizes and prices.—Write, call or telephone Universal Supplies (Belvedere), Ltd., Dept. 32, Crabtree Manorway, Belvedere, Kent. Tel. Erith 2948. [0120]

MISCELLANEOUS

NARROW trench buckets to suit all makes of excavators in any specified cutting widths, and lightweight heavy duty dragline buckets for 4 to 4 cu. yd. capacity; sale or hire, quick delivery.—Manufacturers, Nortons Plant Hire, Ramsden, Billericay, Essex. Tel. Ramsden Heath 365. [0137]

DEMOLITION**DEMOLITION AND CLEARANCE.**

"WATCH IT COME DOWN"
By SYD BISHOP & SONS,
282, BARING RD., LEE, S.E.12. TEL. LEE GREEN 7755.
OLD MANSIONS BOUGHT FOR SALVAGE. [0124]

BOOKS, ETC.

"ELECTRICITY Tariff Handbook." Gives details of the standard electricity tariffs fixed by Area Electricity Boards. The classes of tariff shown are: Domestic, Commercial (Block and Maximum Demand types), Industrial (Block and Demand types), Farm and Miscellaneous. A tabular summary of each class is given for quick reference. Other information includes details of the B.E.A. bulk supply tariff, addresses of Chief Commercial Officers of Area Boards, and details of national sales of electricity in 1951-52. 7s 6d net from all booksellers. By post 7s 9d from The Publishing Dept., Dorset House, Stamford Street, London, S.E.1.

Is
your transport
on the
right road?
— keep up-to-date with
**MOTOR
TRANSPORT**
Every Friday 4d.

Practical features in "Motor Transport": 5

Exclusive Information

Ever since it was founded in 1905, MOTOR TRANSPORT has provided exclusive information—the kind that cannot be obtained from any other journal. MOTOR TRANSPORT was the first to print the news that road haulage was to be denationalized, and the Road Haulage Executive abolished. Information like this—often weeks and months ahead of official announcements—is of the greatest value to busy transport executives. You won't regret the time spent in keeping ahead by reading MOTOR TRANSPORT. Order it from your newsagent.

Every Friday, 4d.

MOTOR TRANSPORT

Dorset House, Stamford Street, London S.E.1

POST-WAR REBUILDING . . .

**PORTLAND STONE
MONKS PARK STONE****THE BATH AND PORTLAND STONE FIRMS LTD.**Head Office:
BATH
Tel.: 3248-9PORTLAND
Tel.: 3113LONDON OFFICE:
Grosvenor Gardens House S.W.1
Tel.: VICTORIA 9182-3.**COURSES for all R.I.B.A. EXAMS**

Postal tuition in History, Testimonies, Design, Calculations, Materials, Construction, Structures, Hygiene, Specifications, Professional Practice, etc. Also in general educational subjects.

ELLIS SCHOOL OF ARCHITECTURE
Principal: A. B. Waters, M.B.E., G.M., F.R.I.B.A.
1030, OLD BROMPTON ROAD, LONDON, S.W.7
Phone: KEN. 4477 and at Worcester**RINGMER BUILDING
WORKS, LTD.**BUILDERS & CONTRACTORS
Joinery SpecialistsRINGMER : LEWES : SUSSEX
Telephone : Lewes 300**CURFEW
FIREPROOF DOORS
CLOSE AUTOMATICALLY
WHEN A FIRE STARTS**Every door is guaranteed to meet
the Fire Insurance Regulations**CURFEW DOORS AND SHUTTERS
LIMITED**ANCOATS · MANCHESTER 4 · ENGLAND
Telephone : COLlyhurst 2018TUDOR WORKS · PARK ROYAL · N.W.10
Telephone : Elgar 6954Also manufacturers of COLLAPSIBLE
GATES, ROLLING DOORS & GRILLES.

ACTUAL MANUFACTURERS OF

**PLYWOOD and
VENEERED PLYWOOD**SPECIALITY — PANELLING
TO

ARCHITECTS' SPECIFICATIONS

RELIABLE PLYWOOD COMPANY LIMITEDPROGRESS WORKS, WARBURTON STREET, LONDON, E.8
Telephone : Clissold 8135/6 Telegrams : Reliably-Mack, London**A. B. S.
HOUSE PURCHASE LOANS**

ADVANCES of approximately 75% of Valuation.

INTEREST 4½% per annum.

PERIOD OF REPAYMENT. Up to 25 years.

At the end of the repayment term or on previous death the house will be freed to the legal personal representatives and a cash sum would also be paid to them, the amount depending upon the period the mortgage was in force.

Particulars from:

The Secretary, A.B.S. Insurance Department, 66, Portland Place,
London, W.1. Tel.: LANGham 5721.**INDEX TO ADVERTISERS**

Official Notices, Tenders, Auction, Legal and Miscellaneous Appointments on pages 32 and 33

Abix (Metal Industries), Ltd.	19	Denton & Jutsum, Ltd.	29	Key Engineering Co., Ltd.	10	Ruberoid Co., Ltd., The	4
Ascot-Gas Water Heaters, Ltd.	20	Dohm, Ltd.	25	Kinnear Shutters	27	Shutter Contractors, Ltd.	28
Astley, H. & Co., Ltd.	27	Edison Swan Electric Co., Ltd., The	23	Land Gear Co., Ltd.	25	Smith, Samuel, & Sons, Ltd.	28
Bath & Portland Stone Firms, Ltd.	34	Ellis School, The	34	Light Steelwork (1925), Ltd.	27	Spencer, Lock & Co., Ltd.	28
Batley, Ernest, Ltd.	30	Empire Stone Co., Ltd.	1	Lion Foundry Co., Ltd.	31	Supreme Fencing, Ltd.	27
Berger, Lewis, (Gt. Britain), Ltd.	24	Engert & Rolfe, Ltd.	25, 26, 27	Macandrews & Forbes, Ltd.	8	Synchrone Company, Ltd., The	29
Blackwells & National Roofings, Ltd.	10	Expanded Metal Co., Ltd., The Expandite, Ltd.	7, 3	McCarthy, M., & Sons, Ltd.	25	Thorn, J., & Sons, Ltd.	14
Braby, F. & Co., Ltd.	11	Farmer, S. W., & Son, Ltd.	19	Margolis, M., Ltd.	25	Thornton, Wm., & Sons, Ltd.	27
Briggs, William, & Sons, Ltd.	30	Finnish Lion Board	25	Mealing Bros., Ltd.	25	Troy, F., & Co., Ltd.	16
British Electricity	8	General Electric Co., Ltd., The Gibson, Arthur L., & Co., Ltd. Gimson & Co. (Leicester), Ltd. Gray, J. W., & Sons, Ltd.	24, 26, 27, 26, 27	Morris, Herbert, Ltd.	25	True Flue, Ltd.	26
Camack Browne, Ltd.	30	Hall, J. & E., Ltd.	9	"Motor Transport"	33	Trussed Concrete Steel Co., Ltd., The	17
Cellon, Ltd.	26	Heal's Contracts, Ltd.	12	National Coal Board	15	Twistell Reinforcement, Ltd.	6
Celorex, Ltd.	5	Henley's, W. T., Telegraph Co., Ltd.	27, 28	Newman, William, & Sons, Ltd.	15	Tyrol Sales, Ltd.	30
Cement Marketing Co., Ltd., The	2	Hotchkiss, Ltd.	26	Penfold Fencing and Engineer- ing, Ltd.	28	Wardle Engineering Co., Ltd., The	14
Coverite (Asphaltes), Ltd.	27			Permanite, Ltd.	18	"Welding & Metal Fabrica- tion"	12
Cozens Ventilators, Ltd.	27			Pilkington Brothers, Ltd.	21	West, A., & Partners, Ltd.	31
Crompton Parkinson, Ltd.	22			Reliable Plywood Co., Ltd.	34	Wood, Edward, & Co., Ltd.	13
Curfew Doors & Shutters, Ltd.	34			Ringmer Building Works, Ltd.	34		

Printed in Great Britain for the publishers, ILIFFE AND SONS LTD., Dorset House, Stamford Street, London, S.E.1, by CORNWALL PRESS LTD., Paris Garden, Stamford Street, London, S.E.1.

ROYAL BOARD



THE OUTSTANDING

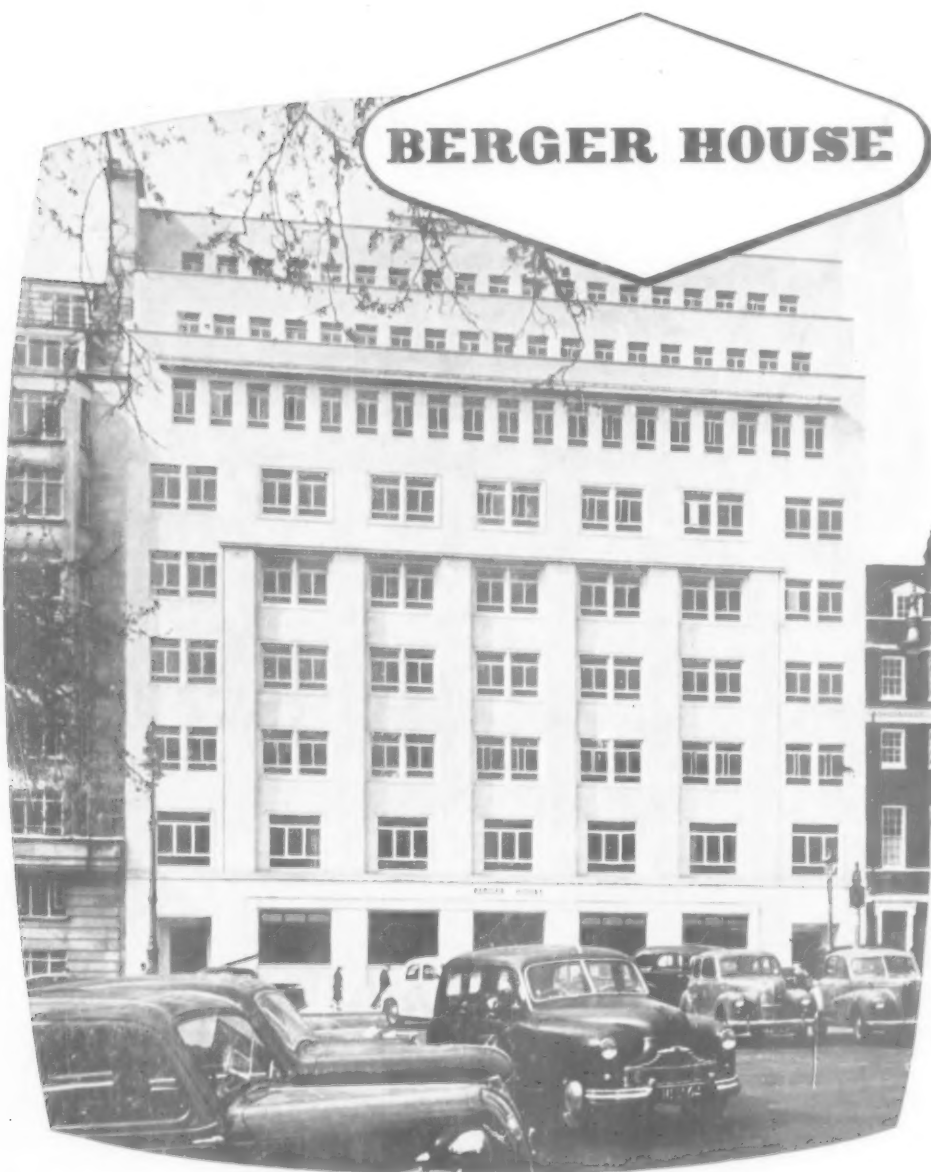
ALL WOOD FIBRE

HARDBOARD

(PRODUCED IN SWEDEN)

BERGER HOUSE

Architects:
**HOWARD, SOUSTER
& PARTNERS**
81 Piccadilly, W.1



Consulting Architects:
**J. STANLEY BEARD,
BENNETT & WILKINS**
101-3 Baker Street, W.1

A handsome office block in London's famous Berkeley Square completed recently for Lewis Berger & Sons, Ltd.



Electrical Contractors:
**BERKELEY ELECTRICAL
ENGINEERING CO. LTD.**

Vincent Square, London,
S.W.1

Wired throughout with

**HENLEY
CABLES**

W. T. HENLEY'S TELEGRAPH WORKS CO. LTD., 51-53 HATTON GARDEN, LONDON, E.C.1



BY APPOINTMENT
ELECTRIC CABLE
MANUFACTURERS
TO H.M. GOVT AND ROYAL NAVY